Question 1
Which option should you use?

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Background
Contoso, Ltd. is a manufacturing company that serves the oil and gas industry. The company produces materials and chemicals that are used in the production of gasoline. Contoso has recently acquired several smaller companies including A. Datum, Litware, Inc., and Northwind Traders. Contoso has now grown from a local company to a company that has offices in multiple geographies.

The company has the following offices:

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<tr>
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</tr>
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Corporate structure
Contoso is divided into business units based on their function primarily, and then by geographic region. The corporate language is English. Contoso has a major datacenter that is located near their Dallas facilities. A. Datum Corporation has a contract with a third-party datacenter in London, England. Contoso intends to move their environment fully to the cloud in the future, and will use SQL Databases in the cloud for business continuity. Contoso has, up until recently, handled all collaboration between employees using a single file share, email, USB flash drives, and local storage. With a growing need for global cooperation and collaboration, Contoso has elected to implement a SharePoint environment. You must minimize the cost for the solution.

SharePoint environment
. Each business functional group requires a unique site collection. You must create child site collections for each geographical region that is part of the business functional group.
. The SharePoint taxonomy must follow the corporate structure.
. All existing corporate content must be migrated to the new SharePoint 2016 environment.
. The SharePoint environment must be accessible to all employees 24 hours a day, 7 days a week, and 365 days a year.

Data
. You must retain all records for compliance reasons.
. You must share sales data by using Microsoft Excel. The sales data must be available online.
. The Beijing office must be able to share information to external partners.

Employee requirements
. Employees must only use SharePoint Designer to edit SharePoint pages.
. Employees must be able to edit Excel workbooks in a browser.
. Employees must have access to PowerPivot.

Editing of SharePoint pages
Contoso has decided that they will allow employees to edit SharePoint 2016 pages only by using SharePoint Designer. Employees must edit pages in a...
development environment that is located in Dallas. Changes must be applied to the production environment by using a backup/restore operation on the
individual site collection. The development environment is an exact replica of the production environment.

Technical requirements
SharePoint requirements
You identify the following requirements for the SharePoint environment:
Backup and disaster recovery
. The environment must be backed up at all times. You must not permit the loss of more than one hour of data.
. In the event of a disaster, the SharePoint environment must remain accessible to all employees. All disaster response and recovery plans and
protocols will be available from the corporate SharePoint instance. The maximum acceptable downtime for the environment is four hours.
. In the case of failure, you must be able to restore the environment to any point within three weeks before the failure.

SharePoint farm
. You must ensure that specific offices can share content with external partners.
. You must log activities related to PowerPivot in the SharePoint usage logs.
. You must implement Search services from the on-premises farm.

Deployment guidelines
You have the following guidelines and protocols for implementing the SharePoint environment:
. You must install and configure all servers in an identical way.
. You must provision all site collections by using the SPSite.Copy method at the content database level. You must use reproducible and traceable
methods to provisions sites.
. You must track information about SharePoint installations in Active Directory Domain Services.
. You must specify different service accounts for each service application.
. Users in the Dallas test environment must be able to create content databases on demand.

Planned environments
You plan to implement the following environments:

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Groups and accounts
You must create the following groups:

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Monitoring and management
You must implement monitoring for the following aspects of the SharePoint solution:
. Security You must be notified if administrator accounts are used to run application pools or if the server farm account is used for other services.
. Performance You must monitor database index fragmentation and whether the paging file size is sufficient.
. Availability You must monitor free space on drives and receive an alert if a drive is running out of space. You must also be notified if one or more
servers are not responding.
. SharePoint page performance You must monitor the manufacturing, trading, and finance instances in Beijing for any performance issues. You
must also log attempts to connect to the instances from locations outside of the corporate network.
. Connectivity between Office 365 and the on-premises SharePoint 2016 environment You must monitor connectivity between the two environments.
Contoso is concerned that unauthorized users may gain access to sensitive information. You must log any attempts to access sensitive information.
The company is especially interested in the logging the following actions:
- attempts to open documents that contain personal information
- editing sensitive documents
- printing sensitive documents

You need to ensure that users can share sales data.

For each authentication method, which option should you use? To answer, drag the appropriate option to the correct authentication method. Each option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Note: Each correct selection is worth one point.

Select and Place:

<table>
<thead>
<tr>
<th>Options</th>
<th>Authentication method</th>
<th>Option</th>
</tr>
</thead>
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<tr>
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<td>Account for Office Online Services</td>
<td>Option</td>
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<tr>
<td>SAML authentication</td>
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</tr>
<tr>
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Explanation/Reference:

Question 2

Which inclusion type should you use?

HOTSPOT

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- **SharePoint page performance** You must monitor the manufacturing, trading, and finance instances in Beijing for any performance issues. You must also be notified if attempts to connect to the instances from locations outside of the corporate network.
- **Connectivity** You must monitor connectivity between the two environments. Contoso is concerned that unauthorized users may gain access to sensitive information. You must log any attempts to access sensitive information. The company is especially interested in the logging the following actions:
  - attempts to open documents that contain personal information
  - editing sensitive documents
  - printing sensitive documents

You need to create the managed paths for all site collections.

For each site collection, which inclusion type should you use? To answer, select the appropriate inclusion type from each list in the answer area.

Hot Area:
### Question 3
Which solution should you use?

Contoso, Ltd. is a manufacturing company that serves the oil and gas industry. The company produces materials and chemicals that are used in the oil and gas industry. The company has five main departments: Corporate, IT, Finance, Trading, and Manufacturing.

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<tbody>
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</tr>
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<td></td>
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Correct Answer:

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  - The environment must be backed up at all times. You must not permit the loss of more than one hour of data.
  - In the event of a disaster, the SharePoint environment must remain accessible to all employees. All disaster response and recovery plans and protocols will be available from the corporate SharePoint instance. The maximum acceptable downtime for the environment is four hours.
  - In the case of failure, you must be able to restore the environment to any point within three weeks before the failure.

SharePoint farm
- You must ensure that specific offices can share content with external partners.
- You must log activities related to PowerPivot in the SharePoint usage logs.
- You must implement Search services from the on-premises farm.

Deployment guidelines
You have the following guidelines and protocols for implementing the SharePoint environment:

- You must install and configure all servers in an identical way.
- You must provide all site collections by using the SPSite.Copy method at the content database level. You must use reproducible and traceable methods to provisions sites.
- You must track information about SharePoint installations in Active Directory Domain Services.
- You must specify different service accounts for each service application.
- Users in the Dallas test environment must be able to create content databases on demand.

Planned environments
You plan to implement the following environments:
Groups and accounts
You must create the following groups:

<table>
<thead>
<tr>
<th>Account name</th>
<th>Service application/role</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT admins</td>
<td>Monitor SharePoint 2016 and perform user administration tasks.</td>
</tr>
<tr>
<td>SharePoint installation</td>
<td>Install and configure SharePoint 2016</td>
</tr>
<tr>
<td>SQL admins</td>
<td>Administer SQL Server and provision SQL Server databases.</td>
</tr>
</tbody>
</table>

You must create the following service accounts:

<table>
<thead>
<tr>
<th>Account name</th>
<th>Service application/role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network service</td>
<td>Office Online Services</td>
</tr>
<tr>
<td>SharePoint farm</td>
<td>Farm administrator</td>
</tr>
<tr>
<td>SQL admin</td>
<td>SQL Server Service account</td>
</tr>
</tbody>
</table>

Monitoring and management
You must implement monitoring for the following aspects of the SharePoint solution:
- Security You must be notified if administrator accounts are used to run application pools or if the server farm account is used for other services.
- Performance You must monitor database index fragmentation and whether the paging file size is sufficient.
- Availability You must monitor free space on drives and receive an alert if a drive is running out of space. You must also be notified if one or more servers are not responding.
- SharePoint page performance You must monitor the manufacturing, trading, and finance instances in Beijing for the any performance issues. You must also log attempts to connect to the instances from locations outside of the corporate network.
- Connectivity between Office 365 and the on-premises SharePoint 2016 environment You must monitor connectivity between the two environments.
- Contoso is concerned that unauthorized users may gain access to sensitive information. You must log any attempts to access sensitive information.

The company is especially interested in the following actions:
- attempts to open documents that contain personal information
- editing sensitive documents
- printing sensitive documents

You need to select the backup solution for Contoso.

A. premium tier Azure backup
B. Basic tier Azure backup
C. an on-premises backup solution
D. Standard tier Azure backup

Correct Answer: C
Explanation/Reference:
Explanation:

Question 4
What should you create?
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

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Background

Blue Yonder Airlines manufactures, sells, and services small commercial jet aircraft. The company has offices worldwide. Blue Yonder currently uses both SharePoint 2013 and SharePoint 2016. The company has a public website that is based on an ASP.NET web application.

Service environment (SharePoint 2013)

- The legacy SharePoint 2013 farm runs SharePoint Server 2013.
- This farm has over 200 site collections that are hosted on 20 content databases. There is no clear documentation that details which site collections are located in which content databases.
- The SQL Server for the SharePoint 2013 is ServerRole2013.

Requirements

File metadata

Every file stored within the system must contain the following common document properties:

- Document Status
- Department
- Author
- Enterprise Keywords

Values for the Document Status property must be displayed in English, Spanish, or French. The display language must be based on a user’s language preferences.

Additional fields or settings may be added in the future.

You must be able to manage file metadata settings from a single location. When you make changes to settings, the changes must be applied to site collections and existing documents. This location must not be a part of the existing marketing, HR, or procurement team sites.

Site collections

Each departmental site must have a separate site collection. All departmental sites must be hosted in a single web application which is located at http://sp.blueyonder.com.

Locations for the storage of personal documents for each employee should be created in a dedicated web application.

Governance

No custom development is permitted. Custom solutions must not be installed on the farm. Only configurations based on standard functionality are acceptable.

Employees in the marketing, HR, and procurement departments are only permitted to have Read, Contribute, or Edit permissions to their sites.

Human resources

The human resources (HR) department is responsible for sharing information with all employees related to four themes: my work, my benefits, and my career. The naming of these themes may change over time, and additional themes may be added. It must be possible for someone from the HR team to edit the themes.

The HR site on the intranet is divided into a top level site with three subsites. Each subsite represents a unique team. The global navigation of the HR site must feature a listing of the relevant themes and links to custom pages that list content for each theme. The site must not display links to subsites or other pages on the HR site.

Team site URL

The HR site must use the URL http://hr.blueyonder.com

Marketing

The marketing department will use SharePoint to publish brochures, marketing materials, and announcements. Only final versions of these documents may be added to the marketing team site for sharing with other Blue Yonder employees. Once a file is published, employees must be able to access the file by using a consistent link even if the file is renamed or moved within the site.

User file storage

Files that are in draft mode must not be accessible to any users except the author until the file is ready for review. Each marketing employee must have a single location for storing draft work, work in progress materials, and other personal files. Files stored in this location must only be accessible to the employee that owns the area unless the employee chooses to share a file with other users.

The storage location must be created automatically for an employee and must not require assistance from IT for configuration.

The URL for each employees’ site must be http://employees.blueyonder.com/my/personal/username, where username represents the login of the employee.

Public website

The public website is not part of the SharePoint environment. It is a standalone ASP.NET website. Content on the public website, including news and job postings, is updated once a month. Information posted to the public website must by accessible by using search. Information stored in the Downloads section of the website must not be crawled due to the large size and the number of files.

Team site URL

The team site for the department must use the URL http://marketing.blueyonder.com.

Procurement

The procurement department uses SharePoint to store contracts and related documents. You must store these documents in a few document libraries as possible. The documents may contain precedents or terms that are relevant for reuse. The procurement site stores over 20 million documents. The term store for the site contains two million terms.

File storage

Currently, the site consumes approximately 100 gigabytes (GB) of storage. This is expected to double within a year. It is expected that search will be a key feature for this group.

Search

When a search is conducted and a user hovers over the search result, the user must be able to easily launch the document, visit the library that is stored in, or preview the file. The links to the document and the library must appear above the preview of the file.

Team site URL

The site for the department must use the URL http://procurement.blueyonder.com

Products

The product team uses the legacy SharePoint 2013 farm. You must upgrade the farm to SharePoint Server 2016 so that the product team can take advantage of all the services that are available to the other departments.

The existing products site is very active. You must ensure that users cannot change the site content during the upgrade process.

SharePoint 2016

Logical architecture

- The SharePoint environment has two web applications. One web application is used for Departmental Collaboration, and the other is used for Central Administration.
. Each departmental site should be configured as a separate site collection.
. All departmental sites should be hosted within the same web application. The web application is accessible at the URL http://sp.blueyonder.com.
. Locations for the storage of personal documents for each employee should be created in a dedicated web application.

Server environment
. The server farm is configured with SharePoint Server 2016 and Office Online Server. No additional addons or software packages are installed.
. The SQL Server for the SharePoint 2016 farm is ServerRole2016.
. The farm should leverage MinRole with a dedicated server for search.

You need to configure search for the marketing public website.

A. a Content type
B. a SharePoint Site content source
C. a Web Sites content source
D. an Enterprise Search Center

Correct Answer: C
Explanation/Reference:

**Question 5**
How should you complete the Windows PowerShell command?

**DRAG DROP**

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

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**Background**

**General**
Blue Yonder Airlines manufactures, sells, and services small commercial jet aircraft. The company has offices worldwide. Blue Yonder currently uses both SharePoint 2013 and SharePoint 2016. The company has a public website that is based on an APS. NET web application.

**Service environment (SharePoint 2013)**
. The legacy SharePoint 2013 farm runs SharePoint Server 2013.
. This farm has over 200 site collections that are hosted on 20 content databases. There is no clear documentation that details which site collections are located in which content databases.
. The SQL Server for the SharePoint 2013 is ServerRole2013.

**Requirements**

**File metadata**
Every file stored within the system must contain the following common document properties:
. Document Status
. Department
. Author
. Enterprise Keywords

Values for the Document Status property must be displayed in English, Spanish, or French. The display language must be based on a user’s language preferences.

Additional fields or settings may be added in the future.

You must be able to manage file metadata settings from a single location. When you make changes to settings, the changes must be applied to site collections and existing documents. This location must not be a part of the existing marketing, HR, or procurement team sites.

**Site collections**
Each departmental site must have a separate site collection. All departmental sites must be hosted in a single web application which is located at http://sp.blueyonder.com.

Locations for the storage of personal documents for each employee should be created in a dedicated web application.

**Governance**
No custom development is permitted. Custom solutions must not be installed on the farm. Only configurations based on standard functionality are acceptable.

Employees in the marketing, HR, and procurement departments are only permitted to have Read, Contribute, or Edit permissions to their sites.

**Human resources**
The human resources (HR) department is responsible for sharing information with all employees related to four themes: my work, my benefits, and my career. The naming of these themes may change over time, and additional themes may be added. It must be possible for someone from the HR team to edit the themes.

The HR site on the intranet is divided into a top level site with three subsites. Each subsite represents a unique team.

The global navigation of the HR site must feature a listing of the relevant themes and link to custom pages that list content for each theme. The site must not display links to subsites or other pages on the HR site.

**Team site URL**
The HR site must use the URL http://hr.blueyonder.com

**Marketing**
The marketing department will use SharePoint to publish brochures, marketing materials, and announcements. Only final versions of these documents may be added to the marketing team site for sharing with other Blue Yonder employees. Once a file is published, employees must be able to access the file by using a consistent link even if the file is renamed or moved within the site.

**User file storage**
Files that are in draft mode must not be accessible to any user except the author until the file is ready for review. Each marketing employee must have a single location for storing draft work, work in progress materials, and other personal files. Files stored in this location must only be accessible to the
employee that owns the area unless the employee chooses to share a file with other users.  

The URL for each employee’s site must be http://employees.blueyonder.com/my/personal/username, where username represents the login of the employee.

Public website

The public website is not part of the SharePoint environment. It is a standalone ASP.NET website. Content on the public website, including news and job postings, is updated once a month. Information posted to the public website must be accessible by using search. Information stored in the Downloads section of the website must not be crawled due to the large size and number of files.

Team site URL

The team site for the department must use the URL http://marketing.blueyonder.com.

Procurement

The procurement department uses SharePoint to store contracts and related documents. You must store these documents in a few document libraries as possible. The documents may contain precedents or terms that are relevant for reuse. The procurement site stores over 20 million documents. The term store for the site contains two million terms.

File storage

Currently, the site consumes approximately 100 gigabytes (GB) of storage. This is expected to double within a year. It is expected that search will be a key feature for this group.

Search

When a search is conducted and a user hovers over the search result, the user must be able to easily launch the document, visit the library that is stored in, or preview the file. The links to the document and the library must appear above the preview of the file.

Team site URL

The site for the department must use the URL http://procurement.blueyonder.com

Products

The product team uses the legacy SharePoint 2013 farm. You must upgrade the farm to SharePoint Server 2016 so that the product team can take advantage of all the services that are available to the other departments.

The existing products site is very active. You must ensure that users cannot change the site content during the upgrade process.

SharePoint 2016

Logical architecture

- The SharePoint environment has two web applications. One web application is used for Departmental Collaboration, and the other is used for Central Administration.
- Each departmental site should be configured as a separate site collection.
- All departmental sites should be hosted within the same web application. The web application is accessible at the URL http://sp.blueyonder.com.
- Locations for the storage of personal documents for each employee should be created in a dedicated web application.

Server environment

- The server farm is configured with SharePoint Server 2016 and Office Online Server. No additional add-ons or software packages are installed.
- The SQL Server for the SharePoint 2016 farm is ServerRole2016.
- The farm should leverage MinRole with a dedicated server for search.

You need to complete the configuration of the Search2016 farm.

How should you complete the Windows PowerShell command? To answer, drag the appropriate Windows PowerShell segment to the correct location or locations. Each Windows PowerShell segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:

Correct Answer:

<table>
<thead>
<tr>
<th>Windows PowerShell segments</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connect</td>
<td>SPConfigurationDatabase</td>
</tr>
<tr>
<td></td>
<td>-DatabaseServer ServerRole2016</td>
</tr>
<tr>
<td></td>
<td>-DatabaseNameSP2016Config</td>
</tr>
<tr>
<td></td>
<td>-Passphrase Company2919**</td>
</tr>
<tr>
<td></td>
<td>-LocalServerRole Search</td>
</tr>
</tbody>
</table>

Explanation/Reference:

Question 6
Does the solution meet the goal?

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

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You must be able to manage file metadata settings from a single location. When you make changes to settings, the changes must be applied to site collections and existing documents. This location must not be a part of the existing marketing, HR, or procurement team sites.

Additional fields or settings may be added in the future.

Values for the Document Status property must be displayed in English, Spanish, or French. The display language must be based on a user’s language preferences. Additional fields or settings may be added in the future.

The marketing department will use SharePoint to publish brochures, marketing materials, and announcements. Only final versions of these documents may be added to the marketing team site for sharing with other Blue Yonder employees. Once a file is published, employees must be able to access the file by using a consistent link even if the file is renamed or moved within the site.

User file storage
Files that are in draft mode must not be accessible to any user except the author until the file is ready for review. Each marketing employee must have a single location for storing draft work, work in progress materials, and other personal files. Files stored in this location must only be accessible to the employee that owns the area unless the employee chooses to share a file with other users.

The storage location must be created automatically for an employee and must not require assistance from IT for configuration.

The URL for each employees’ site must be http://employees.blueyonder.com/my/personal/username, where username represents the login of the employee.

Public website
The public website is not part of the SharePoint environment. It is a standalone ASP.NET website. Content on the public website, including news and job postings, is updated once a month. Information posted to the public website must be accessible by using search. Information stored in the Downloads section of the website must not be crawled due to the large size and the number of files.

Team site URL
The team site for the department must use the URL http://marketing.blueyonder.com.

Procurement
The procurement department uses SharePoint to store contracts and related documents. You must store these documents in a few document libraries as possible. The documents may contain precedents or terms that are relevant for reuse. The procurement site stores over 20 million documents. The term store for the site contains two million terms.

File storage
Currently, the site consumes approximately 100 gigabytes (GB) of storage. This is expected to double within a year. It is expected that search will be a key feature for this group.

Search
When a search is conducted and a user hovers over the search result, the user must be able to easily launch the document, visit the library that is stored in, or preview the file. The links to the document and the library must appear above the preview of the file.
Blue Yonder Airlines manufactures, sells, and services small commercial jet aircraft. The company has offices worldwide. Blue Yonder currently uses SharePoint 2013 to manage its internal and external communication. The product team uses the legacy SharePoint 2013 farm. You must upgrade the farm to SharePoint Server 2016 so that the product team can take advantage of all the services that are available to the other departments.

The existing products site is very active. You must ensure that users cannot change the site content during the upgrade process.

SharePoint 2016

Logical architecture

- The SharePoint environment has two web applications. One web application is used for Departmental Collaboration, and the other is used for Central Administration.
- Each departmental site should be configured as a separate site collection. All departmental sites should be hosted within the same web application. The web application is accessible at the URL http://sp.blueyonder.com.
- Locations for the storage of personal documents for each employee should be created in a dedicated web application.

Server environment

- The server farm is configured with SharePoint Server2016 and Office Online Server. No additional addons or software packages are installed.
- The SQL Server for the SharePoint 2016 farm is ServerRole2016.
- The farm should leverage MinRole with a dedicated server for search.

In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You need to display the values for the Document Status and Department properties.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B

Explanation/Reference:

Question 7
Does the solution meet the goal?

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Background
General
Blue Yonder Airlines manufactures, sells, and services small commercial jet aircraft. The company has offices worldwide. Blue Yonder currently uses both SharePoint 2013 and SharePoint 2016. The company has a public website that is based on an APS. NET web application.

Service environment (SharePoint 2013)
- The legacy SharePoint 2013 farm runs SharePoint Server 2013.
- This farm has over 200 site collections that are hosted on 20 content databases. There is no clear documentation that details which site collections are located in which content databases.
- The SQL Server for the SharePoint 2013 is ServerRole2013.

Requirements
File metadata
Every file stored within the system must contain the following common document properties:
- Document Status
- Department
- Author
- Enterprise Keywords

Values for the Document Status property must be displayed in English, Spanish, or French. The display language must be based on a user's language preferences.

Additional fields or settings may be added in the future.

You must be able to manage file metadata settings from a single location. When you make changes to settings, the changes must be applied to site collections and existing documents. This location must not be a part of the existing marketing, HR, or procurement team sites.

Site collections
Each departmental site must have a separate site collection. All departmental sites must be hosted in a single web application which is located at http://sp.blueyonder.com.

Locations for the storage of personal documents for each employee should be created in a dedicated web application.

Governance
No custom development is permitted. Custom solutions must not be installed on the farm. Only configurations based on standard functionality are acceptable.

Employees in the marketing, HR, and procurement departments are only permitted to have Read, Contribute, or Edit permissions to their sites.

Human resources
The human resources (HR) department is responsible for sharing information with all employees related to four themes: my work, my benefits, and...
my career. The naming of these themes may change over time, and additional themes may be added. It must be possible for someone from the HR team to edit the themes.

The HR site on the intranet is divided into a top level site with three subsites. Each subsite represents a unique team. The global navigation of the HR site must feature a listing of the relevant themes and link to custom pages that list content for each theme. The site must not display links to subsites or other pages on the HR site.

Team site URL
The HR site must use the URL http://hr.blueyonder.com

Marketing
The marketing department will use SharePoint to publish brochures, marketing materials, and announcements. Only final versions of these documents may be added to the marketing team site for sharing with other Blue Yonder employees. Once a file is published, employees must be able to access the file by using a consistent link even if the file is renamed or moved within the site.

User file storage
Files that are in draft mode must not be accessible to any user except the author until the file is ready for review. Each marketing employee must have a single location for storing draft work, work in progress materials, and other personal files. Files stored in this location must only be accessible to the employee that owns the area unless the employee chooses to share a file with other users.

Search
When a search is conducted and a user hovers over the search result, the user must be able to easily launch the document, visit the library that is stored in, or preview the file. The links to the document and the library must appear above the preview of the file.

Team site URL
The site for the department must use the URL http://marketing.blueyonder.com.

Procurement
The procurement department uses SharePoint to store contracts and related documents. You must store these documents in a few document libraries as possible. The documents may contain precedents or terms that are relevant for reuse. The procurement site stores over 20 million documents. The term store for the site contains two million terms.

File storage
Currently, the site consumes approximately 100 gigabytes (GB) of storage. This is expected to double within a year. It is expected that search will be a key feature for this group.

Search
When a search is conducted and a user hovers over the search result, the user must be able to easily launch the document, visit the library that is stored in, or preview the file. The links to the document and the library must appear above the preview of the file.

Team site URL
The site for the department must use the URL http://procurement.blueyonder.com.

Products
The product team uses the legacy SharePoint 2013 farm. You must upgrade the farm to SharePoint Server 2016 so that the product team can take advantage of all the services that are available to the other departments.

The existing products site is very active. You must ensure that users cannot change the site content during the upgrade process.

SharePoint 2016
Logical architecture
The SharePoint environment has two web applications. One web application is used for Departmental Collaboration, and the other is used for Central Administration.

. Each departmental site should be configured as a separate site collection.
. All departmental sites should be hosted within the same web application. The web application is accessible at the URL http://sp.blueyonder.com.
. Locations for the storage of personal documents for each employee should be created in a dedicated web application.

Server environment
. The server farm is configured with SharePoint Server 2016 and Office Online Server. No additional addons or software packages are installed.
. The SQL Server for the SharePoint 2016 farm is ServerRole2016.
. The farm should leverage MinRole with a dedicated server for search.

In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You need to display the values for the Document Status and Department properties.

You create a term set and Managed Metadata column.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B

Explanation/Reference:
Explanation:
you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

**Background**

Blue Yonder Airlines manufactures, sells, and services small commercial jet aircraft. The company has offices worldwide. Blue Yonder currently uses both SharePoint 2013 and SharePoint 2016. The company has a public website that is based on an APS. NET web application.

**Service environment (SharePoint 2013)**

- The legacy SharePoint 2013 farm runs SharePoint Server 2013.
- This farm has over 200 site collections that are hosted on 20 content databases. There is no clear documentation that details which site collections are located in which contentdatabases.
- The SQL Server for the SharePoint 2013 is ServerRole2013.

**Requirements**

**File metadata**

Every file stored within the system must contain the following common document properties:

- Document Status
- Department
- Author
- Enterprise Keywords

Values for the Document Status property must be displayed in English, Spanish, or French. The display language must be based on a user's language preferences.

Additional fields or settings may be added in the future. You must be able to manage file metadata settings from a single location. When you make changes to settings, the changes must be applied to site collections and existing documents. This location must not be a part of the existing marketing, HR, or procurement teams sites.

**Site collections**

Each departmental site must have a separate site collection. All departmental sites must be hosted in a single web application which is located at http://sp.blueyonder.com

**Locations for the storage of personal documents for each employee should be created in a dedicated web application.**

**Governance**

No custom development is permitted. Custom solutions must not be installed on the farm. Only configurations based on standard functionality are acceptable.

Employees in the marketing, HR, and procurement departments are only permitted to have Read, Contribute, or Edit permissions to their sites.

**Human resources**

The human resources (HR) department is responsible for sharing information with all employees related to four themes: my work, my benefits, and my career. The naming of these themes may change over time, and additional themes may be added. It must be possible for someone from the HR team to edit the themes.

The HR site on the intranet is divided into a top level site with three subsites. Each subsite represents a unique team.

The global navigation of the HR site must feature a listing of the relevant themes and link to custom pages that list content for each theme. The site must not display links to subsites or other pages on the HR site.

**Team site URL**

The HR site must use the URL http://hr.blueyonder.com

**Marketing**

The marketing department will use SharePoint to publish brochures, marketing materials, and announcements. Only final versions of these documents may be added to the marketing team site for sharing with other Blue Yonder employees. Once a file is published, employees must be able to access the file by using a consistent link even if the file is renamed or moved within the site.

**User file storage**

Files that are in draft mode must not be accessible to any user except the author until the file is ready for review. Each marketing employee must have a single location for storing draft work, work in progress materials, and other personal files. Files stored in this location must only be accessible to the employee that owns the area unless the employee chooses to share a file with other users.

The storage location must be created automatically for an employee and must not require assistance from IT for configuration.

The URL for each employees’ site must be http://employees.blueyonder.com/my/personal/username, where username represents the login of the employee.

**Public website**

The public website is not part of the SharePoint environment. It is a standalone ASP.NET website. Content on the public website, including news and job postings, is updated once a month. Information posted to the public website must be accessible by using search. Information stored in the Downloads section of the website must not be crawled due to the large size and the number of files.

**Team site URL**

The team site for the department must use the URL http://marketing.blueyonder.com.

**Procurement**

The procurement department uses SharePoint to store contracts and related documents. You must store these documents in a few document libraries as possible. The documents may contain precedents or terms that are relevant for reuse. The procurement site stores over 20 million documents. The term store for the site contains two million terms.

**File storage**

Currently, the site consumes approximately 100 gigabytes (GB) of storage. This is expected to double within a year. It is expected that search will be a key feature for this group.

**Search**

When a search is conducted and a user hovers over the search result, the user must be able to easily launch the document, visit the library that is stored in, or preview the file. The links to the document and the library must appear above the preview of the file.

**Team site URL**

The site for the department must use the URL http://procurement.blueyonder.com

**Products**

The product team uses the legacy SharePoint 2013 farm. You must upgrade the farm to SharePoint Server 2016 so that the product team can take advantage of all the services that are available to the other departments.

The existing products site is very active. You must ensure that users cannot change the site content during the upgrade process.

**SharePoint 2016**

**Logical architecture**

- The SharePoint environment has two web applications. One web application is used for Departmental Collaboration, and the other is used for Central Administration.
- Each departmental site should be configured as a separate site collection.
- All departmental sites should be hosted within the same web application. The web application is accessible at the URL http://sp.blueyonder.com.
Locations for the storage of personal documents for each employee should be created in a dedicated web application.

Server environment
- The server farm is configured with SharePoint Server 2016 and Office Online Server. No additional addons or software packages are installed.
- The SQL Server for the SharePoint 2016 farm is ServerRole2016.
- The farm should leverage MinRole with a dedicated server for search.

In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You need to display the values for the Document Status and Department properties.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: A

Explanation/Reference:

Question 9
Which three actions should you perform in sequence?

DRAG DROP

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Background
Tailspin Toys manufactures and sells toys and games. The company also resells board games. The new chief executive officer (CEO) recently launched an effort to update the company’s information technology (IT) infrastructure. The CEO wants a blog site to provide updates in plain text about the progress of company projects and the overall health of the company to employees. Content from this site will be used to populate some content on the internet-facing site. You hire a consultant to design and deploy a SharePoint farm. The company plans to use the farm to create internal collaboration sites, and an ecommerce site, and a place to display public announcements.

The following diagram shows the topology of the SharePoint farm:

![SharePoint Farm Topology Diagram]

General
You must create a separate site collection for each department. You must base each site collection on the Team site template. The direct URL for each site collection must use the following format: http://departmentname.tailspin.com.

You must place the site collections for all departments in the same web application, if possible. You must place the site collection for departments that have unique requirements in separate web applications.

Business continuity
You identify the following requirements related to continuity of the business:
- All SharePoint services must be highly available.
- The SharePoint environment must be able to withstand the failure of a single system without affecting accessibility.

You must monitor the SharePoint environment to ensure that systems are available and that response times met service level agreements (SLAs). In the event the times are not within the requires thresholds, the system must alert SharePoint administrators. You must create a site that allows department managers to view the performance data that has been collected. The use of additional monitoring software will be performed where it can be justified.

Governance and security
Governance requirements
- Marketing department employees may create team sites. All other sites must be created by members of the information technology (IT) team.
administration staff.

- You must handle requests for new sites by using a Help Desk site on SharePoint.
- The corporate taxonomy must be managed by the SharePoint administrative staff. Users must not be allowed to create their own information architecture. Exceptions to this requirement will be handled on a case by case basis.
- All information in SharePoint must be consistently identified and readily accessible by using searches. Search components must be configured to provide the best search results while minimizing administrative overhead.

Security requirements

Anonymous access is only permitted for Internet-facing sites. Authentication is required for all sites. Authentication must occur through the Active Directory Domain Services environment. All custom apps must be installed and managed by the SharePoint administrative staff. Any requests for new apps must be submitted through the Help Desk site.

Hardware and storage

Hardware requirements

You must minimize the number of servers and applications whenever possible. You must only deploy additional servers and applications if the requesting department manager provides the appropriate documentation to support the need.

File storage requirements

Content must not be stored in the perimeter network. All access to SharePoint content from the Internet must be handled through servers in the perimeter network. Human resources (HR) data must be kept separate from all other data.

HR department

The HR manager needs a website to implement time management and leave requests. The HR manager has found an app that will provide this functionality on a SharePoint independent software vendor website, and would prefer to use this app as opposed to creating a custom in-house app. This app will only need to access to data in the HR site collection.

You must create a site for the HR department that allows new employees to read required documents regarding policies and procedures. The site must also provide all employees access to other HR documentation such as the employee handbook, employee leave procedures, and acceptable use guides.

IT department

You must implement a Help Desk website and associated workflows. To create the site, you must access data from a Microsoft Excel workbook into a SQL Server database by using an SQL Server Integration Services (SSIS) package. You must access data from other data sources.

Employees must be able to fill out a help request on the site and then check the status of the request. The IT department staff must be able to respond to the requests, update the status of requests, and close requests. IT department managers must be able to track the status of requests, and generate reports on the progress of requests.

Marketing department

Collaboration sites

Marketing department employees must be able to create their own collaboration sites in SharePoint. The collaboration sites will be used for new product release discussions and marketing plans related to those new products. The URL for the collaboration sites must use the format: /products/productname.

Custom terms

The marketing department must be able to use custom terms when identifying marketing strategies. Other departments must not be able to use custom terms. This requirement has been approved by management.

Public-facing sites

You must create a site for the marketing department that provides information to potential customers about the current product line and any products in development. The marketing team must be able to access this site by using their mobile devices.

Sales department

The sales manager needs a site to display sales progress data. The site must include KPIs and metrics that are generated by using information from a database stored on a SQL Server. Sales department employees are often away from the office. They must be able to access SharePoint data from external locations and when they are offline. Sales department employees need a site that customers can access to purchase products and check on the status of orders.

You need to deploy the web application to support the marketing department. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:
Correct Answer:

<table>
<thead>
<tr>
<th>Actions</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create a teams managed path for the web application.</td>
<td>Create a web application for the marketing department.</td>
</tr>
<tr>
<td>Enable Self-Service Site Creation for all departmental web applications.</td>
<td>Create a products managed path for the web application.</td>
</tr>
<tr>
<td>Enable anonymous access for the web application.</td>
<td>Enable Self-Service Site Creation for the marketing department web application.</td>
</tr>
<tr>
<td>Create a web application for all departments.</td>
<td></td>
</tr>
</tbody>
</table>

Explanation/Reference:
In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem. Once you answer a question in this section, you will not be able to return to it. As a result, these questions will not appear in the review screen.

Question 10
Does the solution meet the goal?
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Background
Tailspin Toys manufactures and sells toys and games. The company also resells board games. The new chief executive officer (CEO) recently launched an effort to update the company’s information technology (IT) infrastructure. The CEO wants a blog site to provide updates in plain text about the progress of company projects and the overall health of the company to employees. Content from this site will be used to populate some content on the internet-facing site.

You hire a consultant to design and deploy a SharePoint farm. The company plans to use the farm to create internal collaboration sites, and ecommerce site, and a place to display public announcements. The following diagram shows the topology of the SharePoint farm:
You must create a separate site collection for each department. You must base each site collection on the Team site template. The direct URL for each site collection must use the following format:

You must place the site collections for all departments in the same web application, if possible. You must place the site collection for departments that have unique requirements in separate web applications.

Business continuity
You identify the following requirements related to continuity of the business:
. All SharePoint services must be highly available.
. The SharePoint environment must be able to withstand the failure of a single system without affecting accessibility.
You must monitor the SharePoint environment to ensure that systems are available and that response times met service level agreements (SLAs). In the event the times are not within the requires thresholds, the system must alert SharePoint administrators. You must create a site that allows department managers to view the performance data that has been collected. The use of additional monitoring software will be performed where it can be justified.

Governance and security
Governance requirements
. Marketing department employees may create team sites. All other sites must be created by members of the information technology (IT) administration staff.
. You must handle requests for new sites by using a Help Desk site on SharePoint.
. The corporate taxonomy must be managed by the SharePoint administrative staff. Users must not be allowed to create their own information architecture. Exceptions to this requirement will be handled on a case by case basis.
. All information in SharePoint must be consistently identified and readily accessible by using searches. Search components must be configured to provide the best search results while minimizing administrative overhead.

Security requirements
Anonymous access is only permitted for Internet-facing sites. Authentication is required for all sites. Authentication must occur through the Active Directory Domain Services environment. All custom apps must be installed and managed by the SharePoint administrative staff. Any requests for new apps must be submitted through the Help Desk site.

Hardware and storage
Hardware requirements
You must minimize the number of servers and applications whenever possible. You must only deploy additional servers and applications if the requesting department manager provides the appropriate documentation to support the need.

File storage requirements
Content must not be stored in the perimeter network. All access to SharePoint content from the Internet must be handled through servers in the perimeter network. Human resources (HR) data must be kept separate from all other data.

HR department
The HR manager needs a website to implement time management and leave requests. The HR manager has found an app that will provide this functionality on a SharePoint independent software vendor website, and would prefer to use this app as opposed to creating a custom in-house app.
This app will only need to access to data in the HR site collection. You must create a site for the HR department that allows new employees to read required documents regarding policies and procedures. The site must also provide all employees access to other HR documentation such as the employee handbook, employee leave procedures, and acceptable use guides.

IT department
You must implement a Help Desk website and associated workflows. To create the site, you must access data from a Microsoft Excel workbook into a SQL Server database by using an SQL Server Integration Services (SSIS) package. You must access data from other data sources.

Employees must be able to fill out a help request on the site and then check the status of the request. The IT department staff must be able to respond to the requests, update the status of requests, and close requests. IT department managers must be able to track the status of requests, and generate reports on the progress of requests.

Marketing department
Collaboration sites
Marketing department employees must be able to create their own collaboration sites in SharePoint. The collaboration sites will be used for new product release discussions and marketing plans related to those new products. The URL for the collaboration sites must use the format: /products/productname.

Custom terms
The marketing department must be able to use custom terms when identifying marketing strategies. Other departments must not be able to use custom terms. This requirement has been approved by management.

Public-facing sites
You must create a site for the marketing department that provides information to potential customers about the current product line and any products in development. The marketing team must be able to access this site by using their mobile devices.

Sales department
The sales manager needs a site to display sales progress data. The site must include KPIs and metrics that are generated by using information from a database stored on a SQL Server. Sales department employees are often away from the office. They must be able to access SharePoint data from external locations and when they are offline. Sales department employees need a site that customers can access to purchase products and check on the status of orders.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You need to monitor the environment.
You configure System Center Operations Manager 2012 R2 with a web application monitor.

Does the solution meet the goal?
A. Yes.
B. No.

Correct Answer: A
Explanation/Reference:

Question 11
Does the solution meet the goal?
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.
To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain
You hire a consultant to design and deploy a SharePoint farm. The company plans to use the farm to create internal collaboration sites, and content on the internet-facing site. About the progress of company projects and the overall health of the company to employees. Content from this site will be used to populate some ecommerce site, and a place to display public announcements.

Tailspin Toys manufactures and sells toys and games. The company also resells board games. The new chief executive officer (CEO) recently launched an effort to update the company’s information technology (IT) infrastructure. The CEO wants a blog site to provide updates in plain text about the progress of company projects and the overall health of the company to employees. Content from this site will be used to populate some content on the internet-facing site.

You hire a consultant to design and deploy a SharePoint farm. The company plans to use the farm to create internal collaboration sites, and ecommerce site, and a place to display public announcements.

The following diagram shows the topology of the SharePoint farm:

General
You must create a separate site collection for each department. You must base each site collection on the Team site template. The direct URL for each site collection must use the following format:


You must place the site collections for all departments in the same web application, if possible. You must place the site collection for departments that have unique requirements in separate web applications.

Business continuity
You identify the following requirements related to continuity of the business:
1. All SharePoint services must be highly available.
2. The SharePoint environment must be able to withstand the failure of a single system without affecting accessibility.

You must monitor the SharePoint environment to ensure that systems are available and that response times meet service level agreements (SLAs). In the event the times are not within the requires thresholds, the team must alert SharePoint administrators. You must create a site that allows department managers to view the performance data that has been collected. The use of additional monitoring software will be performed where it can be justified.

Governance and security
Governance requirements
1. Marketing department employees may create team sites. All other sites must be created by members of the information technology (IT) administration staff.
2. You must handle requests for new sites by using a Help Desk site on SharePoint.
3. The corporate taxonomy must be managed by the SharePoint administrative staff. Users must not be allowed to create their own information architecture. Exceptions to this requirement will be handled on a case by case basis.
4. All information in SharePoint must be consistently identified and readily accessible by using searches. Search components must be configured to provide the best search results while minimizing administrative overhead.

Security requirements
Anonymous access is only permitted for Internet-facing sites. Authentication is required for all sites. Authentication must occur through the Active Directory Domain Services environment. All custom apps must be installed and managed by the SharePoint administrative staff. Any requests for new apps must be submitted through the Help Desk site.

You must minimize the number of servers and applications whenever possible. You must only deploy additional servers and applications if the requesting department manager provides the appropriate documentation to support the need.

Hardware and storage
Hardware requirements
File storage requirements
Content must not be stored in the perimeter network. All access to SharePoint content from the Internet must be handled through servers in the perimeter network. Human resources (HR) data must be kept separate from all other data.

HR department
The HR manager needs a website to implement time management and leave requests. The HR manager has found an app that will provide this functionality on a SharePoint independent software vendor website, and would prefer to use this app as opposed to creating a custom in-house app. This app will only need to access to data in the HR site collection.
You must create a site for the HR department that allows new employees to read required documents regarding policies and procedures. The site must also provide all employees access to other HR documentation such as the employee handbook, employee leave procedures, and acceptable use guides.

IT department
You must implement a Help Desk website and associated workflows. To create the site, you must access data from a Microsoft Excel workbook into a SQL Server database by using an SQL Server Integration Services (SSIS) package. You must access data from other data sources. Employees must be able to fill out a help request on the site and then check the status of the request. The IT department staff must be able to respond to the requests, update the status of requests, and close requests. IT department managers must be able to track the status of requests, and generate reports on the progress of requests.
Marketing department
Collaboration sites
Marketing department employees must be able to create their own collaboration sites in SharePoint. The collaboration sites will be used for new product release discussions and marketing plans related to those new products. The URL for the collaboration sites must use the format: /products/productname.

Custom terms
The marketing department must be able to use custom terms when identifying marketing strategies. Other departments must not be able to use custom terms. This requirement has been approved by management.

Public-facing sites
You must create a site for the marketing department that provides information to potential customers about the current product line and any products in development. The marketing team must be able to access this site by using their mobile devices.

Sales department
The sales manager needs a site to display sales progress data. The site must include KPIs and metrics that are generated by using information from a database stored on a SQL Server. Sales department employees are often away from the office. They must be able to access SharePoint data from external locations and when they are offline. Sales department employees need a site that customers can access to purchase products and check the status of orders.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You need to monitor the environment.
You run the following Windows PowerShell cmdlet:
Set-SPLogLevel
Does the solution meet the goal?
A. Yes
B. No
Correct Answer: B
Explanation/Reference:

Question 12
Which three components should you implement?
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of the case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study
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Background
Contoso, Ltd. is a manufacturing company that serves the oil and gas industry. The company produces materials and chemicals that are used in the production of gasoline. Contoso has recently acquired several smaller companies including A. Datum, Litware, Inc., and Northwind Traders. Contoso has now grown from a local company to a company that has offices in multiple geographies.

The company has the following offices:

<table>
<thead>
<tr>
<th>Function</th>
<th>Secondary function</th>
<th>Name</th>
<th>Location</th>
<th>Number of employees</th>
<th>Content size in terabytes (TB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporate HQ</td>
<td>IT</td>
<td>Contoso</td>
<td>Dallas</td>
<td>500</td>
<td>8 TB</td>
</tr>
<tr>
<td>Finance and</td>
<td>IT</td>
<td>A. Datum</td>
<td>London</td>
<td>100</td>
<td>4 TB</td>
</tr>
<tr>
<td>Acquisitions</td>
<td>Corporation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manufacturing</td>
<td>Trading, Finance</td>
<td>Litware Inc.</td>
<td>Beijing</td>
<td>50</td>
<td>1 TB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Northwind Traders</td>
<td>New York</td>
<td>25</td>
<td>2 TB</td>
</tr>
<tr>
<td>Field Employees</td>
<td>N/A</td>
<td>Various locations worldwide</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Corporate structure
Contoso is divided into business units based on their function primarily, and then by geographic region. The corporate language is English. Contoso has a major datacenter that is located near their Dallas facilities. A. Datum Corporation has a contract with a third-party datacenter in London, England. Contoso intends to move their environment fully to the cloud in the future, and will use SQL Databases in the cloud for business continuity.

Contoso has, up until recently, handled all collaboration between employees using a single file share, email, USB flash drives, and local storage. With a growing need for global cooperation and collaboration, Contoso has elected to implement a SharePoint environment. You must minimize the cost for the solution.

SharePoint environment
Each business functional group requires a unique site collection. You must create child site collections for each geographical region that is part of the
business functional group.

- The SharePoint taxonomy must follow the corporate structure.
- All existing corporate content must be migrated to the new SharePoint 2016 environment.
- The SharePoint environment must be accessible to all employees 24 hours a day, 7 days a week, and 365 days a year.

Data

- You must retain all records for compliance reasons.
- You must share sales data by using Microsoft Excel. The sales data must be available online.
- All existing corporate content must be migrated to the new SharePoint 2016 environment.
- The Beijing office must be able to share information to external partners.

Employee requirements

- Employees must only use SharePoint Designer to edit SharePoint pages.
- Employees must be able to edit Excel workbooks in a browser.
- Employees must have access to PowerPivot.

Editing of SharePoint pages

Contoso has decided that they will allow employees to edit SharePoint 2016 pages only by using SharePoint Designer. Employees must edit pages in a development environment that is located in Dallas. Changes must be applied to the production environment by using a backup/restore operation on the individual site collection. The development environment is an exact replica of the production environment.

Technical requirements

SharePoint requirements

You identify the following requirements for the SharePoint environment:

Backup and disaster recovery

- The environment must be backed up at all times. You must not permit the loss of more than one hour of data.
- In the event of a disaster, the SharePoint environment must remain accessible to all employees. All disaster response and recovery plans and protocols will be available from the corporate SharePoint instance. The maximum acceptable downtime for the environment is four hours.
- In the case of failure, you must be able to restore the environment to any point within three weeks before the failure.

SharePoint farm

- You must ensure that specific offices can share content with external partners.
- You must log activities related to PowerPivot in the SharePoint usage logs.
- You must implement Search services from the on-premises farm.

Deployment guidelines

You have the following guidelines and protocols for implementing the SharePoint environment:

- You must install and configure all servers in an identical way.
- You must provision all site collections by using the SPSite.Copy method at the content database level. You must use reproducible and traceable methods to provisions sites.
- You must track information about SharePoint installations in Active Directory Domain Services.
- You must specify different service accounts for each service application.
- Users in the Dallas test environment must be able to create content databases on demand.

Planned environments

You plan to implement the following environments:

<table>
<thead>
<tr>
<th>Datacenter</th>
<th>Environment</th>
<th>Function</th>
<th>Authorization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dallas</td>
<td>SharePoint2016 On-premises</td>
<td>Primary site</td>
<td>All employees</td>
</tr>
<tr>
<td>Dallas</td>
<td>SharePoint2016 On-premises</td>
<td>Test environment</td>
<td>IT employees</td>
</tr>
<tr>
<td>Dallas</td>
<td>SharePoint2016 On-premises</td>
<td>Development environment</td>
<td>Dev employees, IT employees</td>
</tr>
<tr>
<td>Denver</td>
<td>SharePoint Online</td>
<td>Test environment for Office 365</td>
<td>IT employees</td>
</tr>
<tr>
<td>London</td>
<td>SharePoint2016 On-premises</td>
<td>High availability and failover</td>
<td>All employees</td>
</tr>
<tr>
<td>Hong Kong</td>
<td>SharePoint Online</td>
<td>Collaboration for China, Trading, and Finance</td>
<td>All employees in China, Trading, and Finance</td>
</tr>
</tbody>
</table>

You must create the following groups:

<table>
<thead>
<tr>
<th>Account name</th>
<th>Service application/role</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT admins</td>
<td>Monitor SharePoint 2016 and perform user administration tasks.</td>
</tr>
<tr>
<td>SharePoint installation</td>
<td>Install and configure SharePoint 2016</td>
</tr>
<tr>
<td>SQL admins</td>
<td>Administer SQL Server and provision SQL Server databases.</td>
</tr>
</tbody>
</table>

Groups and accounts

You must create the following service accounts:
Monitoring and management
You must implement monitoring for the following aspects of the SharePoint solution:

- Security You must be notified if administrator accounts are used to run application pools or if the server farm account is used for other services.
- Performance You must monitor database index fragmentation and whether the paging file size is sufficient.
- Availability You must monitor free space on drives and receive an alert if a drive is running out of space. You must also be notified if one or more servers are not responding.
- SharePoint page performance You must monitor the manufacturing, trading, and finance instances in Beijing for any performance issues. You must also log attempts to connect to the instances from locations outside of the corporate network.
- Connectivity between Office 365 and the on-premises SharePoint 2016 environment You must monitor connectivity between the two environments.

Contoso is concerned that unauthorized users may gain access to sensitive information. You must log any attempts to access sensitive information. The company is especially interested in the logging the following actions:

- attempts to open documents that contain personal information
- editing sensitive documents
- printing sensitive documents

You need to monitor the resources for the Beijing office. Which three components should you implement? Each correct answer presents part of the solution.

A. search
B. proxy settings
C. Distributed Cache
D. SAML authentication
E. claims authentication

Correct Answer: BDE

Explanation/Reference:

Question 13
What should you do first?
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Background
Tailspin Toys manufactures and sells toys and games. The company also resells board games. The new chief executive officer (CEO) recently launched an effort to update the company’s information technology (IT) infrastructure. The CEO wants a blog site to provide updates in plain text about the progress of company projects and the overall health of the company to employees. Content from this site will be used to populate some content on the internet-facing site.

You hire a consultant to design and deploy a SharePoint farm. The company plans to use the farm to create internal collaboration sites, and ecommerce site, and a place to display public announcements. The following diagram shows the topology of the SharePoint farm:

General
You must create a separate site collection for each department. You must base each site collection on the Team site template. The direct URL for each site collection must use the following format:

http://departmentname.tailspin.com

You must place the site collections for all departments in the same web application, if possible. You must place the site collection for departments that
have unique requirements in separate web applications.

Business continuity
You identify the following requirements related to continuity of the business:
. All SharePoint services must be highly available.
. The SharePoint environment must be able to withstand the failure of a single system without affecting accessibility.
You must monitor the SharePoint environment to ensure that systems are available and that response times met service level agreements (SLAs). In the event the times are not within the requires thresholds, the system must alert SharePoint administrators. You must create a site that allows department managers to view the performance data that has been collected. The use of additional monitoring software will be performed where it can be justified.

Governance and security
Governance requirements
. Marketing department employees may create team sites. All other sites must be created by members of the information technology (IT) administration staff.
. You must handle requests for new sites by using a Help Desk site on SharePoint.
. The corporate taxonomy must be managed by the SharePoint administrative staff. Users must not be allowed to create their own information architecture. Exceptions to this requirement will be handled on a case by case basis.
. All information in SharePoint must be consistently identified and readily accessible by using searches. Search components must be configured to provide the best search results while minimizing administrative overhead.

Security requirements
Anonymous access is only permitted for Internet-facing sites. Authentication is required for all sites. Authentication must occur through the Active Directory Domain Services environment. All custom apps must be installed and managed by the SharePoint administrative staff. Any requests for new apps must be submitted through the Help Desk site.

Hardware and storage
Hardware requirements
You must minimize the number of servers and applications whenever possible. You must only deploy additional servers and applications if the requesting department manager provides the appropriate documentation to support the need.

File storage requirements
Content must not be stored in the perimeter network. All access to SharePoint content from the Internet must be handled through servers in the perimeter network. Human resources (HR) data must be kept separate from all other data.

HR department
The HR manager needs a website to implement time management and leave requests. The HR manager has found an app that will provide this functionality on a SharePoint independent software vendor website, and would prefer to use this app as opposed to creating a custom in-house app. This app will only need to access to data in the HR site collection.
You must create a site for the HR department that allows new employees to read required documents regarding policies and procedures. The site must also provide all employees access to other HR documentation such as the employee handbook, employee leave procedures, and acceptable use guides.

IT department
You must implement a Help Desk website and associated workflows. To create the site, you must access data from a Microsoft Excel workbook into a SQL Server database by using an SQL Server Integration Services (SSIS) package. You must access data from other data sources.
Employees must be able to fill out a help request on the site and then check the status of the request. The IT department staff must be able to respond to the requests, update the status of requests, and close requests. IT department managers must be able to track the status of requests, and generate reports on the progress of requests.

Marketing department
Collaboration sites
Marketing department employees must be able to create their own collaboration sites in SharePoint. The collaboration sites will be used for new product release discussions and marketing plans related to those new products. The URL for the collaboration sites must use the format: /products/productname.

Custom terms
The marketing department must be able to use custom terms when identifying marketing strategies. Other departments must not be able to use custom terms. This requirement has been approved by management.

Public-facing sites
You must create a site for the marketing department that provides information to potential customers about the current product line and any products in development. The marketing team must be able to access this site by using their mobile devices.

Sales department
The sales manager needs a site to display sales progress data. The site must include KPIs and metrics that are generated by using information from a database stored on a SQL Server. Sales department employees are often away from the office. They must be able to access SharePoint data from external locations and when they are offline. Sales department employees need a site that customers can access to purchase products and check on the status of orders.

You need to implement the HR department site collection.
What should you do first?
A. Create a wildcard inclusion managed path in the HR web application.
B. Create a wildcard inclusion managed path in the HR department.
C. Create a wildcard inclusion managed path in the web application for the departments.

Correct Answer: B
Explanation Reference:
Explanation:

Question 14
Does this solution meet the goal?
In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.
Once you answer a question in this section you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You have an existing SharePoint 2016 on-premises environment. You are configuring a SharePoint hybrid solution.
You must store all personal sites in Office 365.
You create and configure a User Profile service application and deploy an App Management service application. You deploy a My Site host
collection. In SharePoint Central Administration, you create an audience. On the Configure hybrid OneDrive for Business settings page, you enter a value for the My Site URL field and specify the audience.

Does this solution meet the goal?
A. Yes
B. No

Correct Answer: B
Explanation/Reference:
Explanation:

Question 15
Does the solution meet the goal?
In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You have an existing SharePoint 2016 on-premises environment. You are configuring a SharePoint hybrid solution.
You must store all personal sites in Office 365.
You configure the Managed Metadata service and User Profile service applications. You create a My Site Host site collection. In SharePoint Central Administration, you grant the Create Personal Site and Follow People and Edit Profile permissions to users and configure hybrid OneDrive for Business settings.

Does the solution meet the goal?
A. Yes
B. No

Correct Answer: B
Explanation/Reference:
Explanation:

Question 16
Does the solution meet the goal?
In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You are the SharePoint administrator for a company.
You must provide an on-premises SharePoint solution that helps monitor and analyze your business in order to make informed business decisions that align with the objectives and strategies for the company. The solution must include the following features:
- Dashboards
- Scorecards
- Key Performance Indicators (KPI)

You configure Delve.

Does the solution meet the goal?
A. Yes
B. No

Correct Answer: B
Explanation/Reference:
Explanation:

You need PerformancePoint Services, which is a SharePoint BI tool.
References:

Question 17
Does the solution meet the goal?
In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You are the SharePoint administrator for a company.
You must provide an on-premises SharePoint solution that helps monitor and analyze your business in order to make informed business decisions that align with the objectives and strategies for the company. The solution must include the following features:
- Dashboards
- Scorecards
- Key Performance Indicators (KPI)

You install and configure Office Onliner Server.

Does the solution meet the goal?
A. Yes
B. No

Correct Answer: B
Explanation/Reference:
Explanation:
You need PerformancePoint Services which is a SharePoint BI tool.
References:

Question 18
Does the solution meet the goal?
In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.
Once you answer a question in this section you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You are the SharePoint administrator for a company.
You must provide an on-premises SharePoint solution that helps monitor and analyze your business in order to make informed business decisions that align with the objectives and strategies for the company. The solution must include the following features:
- Dashboards
- Scorecards
- Key Performance Indicators (KPI)
You configure Power BI.
Does the solution meet the goal?
A. Yes
B. No
Correct Answer: B
Explanation/Reference:
Explanation:
You need PerformancePoint Services which is a SharePoint BI tool. This is not the same as Power BI.
References:

Question 19
Which options should you recommend?
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.
To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.
At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.
To start the case study
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Background
Tailspin Toys manufactures and sells toys and games. The company also resells board games. The new chief executive officer (CEO) recently launched an effort to update the company's information technology (IT) infrastructure. The CEO wants a blog site to provide updates in plain text about the progress of company projects and the overall health of the company to employees. Content from this site will be used to populate some content on the internet-facing site.
You hire a consultant to design and deploy a SharePoint farm. The company plans to use the farm to create internal collaboration sites, and an ecommerce site, and a place to display public announcements.
The following diagram shows the topology of the SharePoint farm:

General
You must create a separate site collection for each department. You must base each site collection on the Team site template. The direct URL for each site collection must use the following format:
You must place the site collections for all departments in the same web application, if possible. You must place the site collection for departments that
have unique requirements in separate web applications.

Business continuity
You identify the following requirements related to continuity of the business:
- All SharePoint services must be highly available.
- The SharePoint environment must be able to withstand the failure of a single system without affecting accessibility.
You must monitor the SharePoint environment to ensure that systems are available and that response times meet service level agreements (SLAs). In the event the times are not within the required thresholds, the system must alert SharePoint administrators. You must create a site that allows department managers to view the performance data that has been collected. The use of additional monitoring software will be performed where it can be justified.

Governance and security
Governance requirements
- Marketing department employees may create team sites. All other sites must be created by members of the information technology (IT) administration staff.
- You must handle requests for new sites by using a Help Desk site on SharePoint.
- The corporate taxonomy must be managed by the SharePoint administrative staff. Users must not be allowed to create their own information architecture. Exceptions to this requirement will be handled on a case by case basis.
- All information in SharePoint must be consistently identified and readily accessible by using searches. Search components must be configured to provide the best search results while minimizing administrative overhead.

Security requirements
Anonymous access is only permitted for Internet-facing sites. Authentication is required for all sites. Authentication must occur through the Active Directory Domain Services environment. All custom apps must be installed and managed by the SharePoint administrative staff. Any requests for new apps must be submitted through the Help Desk site.

Hardware and storage
Hardware requirements
You must minimize the number of servers and applications whenever possible. You must only deploy additional servers and applications if the requesting department manager provides the appropriate documentation to support the need.

File storage requirements
Content must not be stored in the perimeter network. All access to SharePoint content from the Internet must be handled through servers in the perimeter network. Human resources (HR) data must be kept separate from all other data.

HR department
The HR manager needs a website to implement time management and leave requests. The HR manager has found an app that will provide this functionality on a SharePoint independent software vendor website, and would prefer to use this app as opposed to creating a custom in-house app. This app will only need to access data in the HR site collection.
You must create a site for the HR department that allows new employees to read required documents regarding policies and procedures. The site must also provide all employees access to other HR documentation such as the employee handbook, employee leave procedures, and acceptable use guides.

IT department
You must implement a Help Desk website and associated workflows. To create the site, you must access data from a Microsoft Excel workbook into a SQL Server database by using an SQL Server Integration Services (SSIS) package. You must access data from other data sources.
Employees must be able to fill out a help request on the site and then check the status of the request. The IT department staff must be able to respond to the requests, update the status of requests, and close requests. IT department managers must be able to track the status of requests, and generate reports on the progress of requests.

Marketing department
Collaboration sites
Marketing department employees must be able to create their own collaboration sites in SharePoint. The collaboration sites will be used for new product release discussions and marketing plans related to those new products. The URL for the collaboration sites must use the format: /products/productname.

Custom terms
The marketing department must be able to use custom terms when identifying marketing strategies. Other departments must not be able to use custom terms. This requirement has been approved by management.

Public-facing sites
You must create a site for the marketing department that provides information to potential customers about the current product line and any products in development. The marketing team must be able to access this site by using their mobile devices.

Sales department
The sales manager needs a site to display sales progress data. The site must include KPIs and metrics that are generated by using information from a database stored on a SQL Server. Sales department employees are often away from the office. They must be able to access SharePoint data from external locations and when they are offline. Sales department employees need a site that customers can access to purchase products and check on the status of orders.
You need to deploy the HR app.
Which options should you recommend? To answer, select the appropriate setting from each list in the answer area.

Hot Area:
Correct Answer:

### Answer Area

<table>
<thead>
<tr>
<th>Deployment component</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method</td>
<td>✔</td>
</tr>
<tr>
<td>The site owner must add the app from a list of available apps for the site.</td>
<td></td>
</tr>
<tr>
<td>The site owner must add the app from the App Catalog.</td>
<td></td>
</tr>
<tr>
<td>The SharePoint administrator must add the app from the SharePoint Store.</td>
<td></td>
</tr>
<tr>
<td>The SharePoint administrator must install the app by using Windows PowerShell.</td>
<td></td>
</tr>
</tbody>
</table>

### App permission request scope

- SPWeb
- SPList
- Tenancy

Explanation/Reference:

References:
- https://support.office.com/en-gb/article/Add-an-app-to-a-site-ef9e0d6b-7e1-d175-alb0-fe3be81317ce

**Question 20**

Which service application should you create and configure?

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To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

**Background**

Tailspin Toys manufactures and sells toys and games. The company also resells board games. The new chief executive officer (CEO) recently...
launched an effort to update the company’s information technology (IT) infrastructure. The CEO wants a blog site to provide updates in plain text about the progress of company projects and the overall health of the company to employees. Content from this site will be used to populate some content on the internet-facing site.

You hire a consultant to design and deploy a SharePoint farm. The company plans to use the farm to create internal collaboration sites, and ecommerce site, and a place to display public announcements.

The following diagram shows the topology of the SharePoint farm:

![SharePoint Farm Diagram]

General
You must create a separate site collection for each department. You must base each site collection on the Team site template. The direct URL for each site collection must use the following format:


You must place the site collections for all departments in the same web application, if possible. You must place the site collection for departments that have unique requirements in separate web applications.

Business continuity
You identify the following requirements related to continuity of the business:

- All SharePoint services must be highly available.
- The SharePoint environment must be able to withstand the failure of a single system without affecting accessibility.
- You must monitor the SharePoint environment to ensure that systems are available and that response times meet service level agreements (SLAs). In the event the times are not within the requires thresholds, the system must alert SharePoint administrators. You must create a site that allows department managers to view the performance data that has been collected. The use of additional monitoring software will be performed where it can be justified.

Governance and security
Governance requirements

- Marketing department employees may create team sites. All other sites must be created by members of the information technology (IT) administration staff.
- You must handle requests for new sites by using a Help Desk site on SharePoint.
- The corporate taxonomy must be managed by the SharePoint administrative staff. Users must not be allowed to create their own information architecture. Exceptions to this requirement will be handled on a case by case basis.
- All information in SharePoint must be consistently identified and readily accessible by using searches. Search components must be configured to provide the best search results while minimizing administrative overhead.

Security requirements
Anonymous access is only permitted for Internet-facing sites. Authentication is required for all sites. Authentication must occur through the Active Directory Domain Services environment. All custom apps must be installed and managed by the SharePoint administrative staff. Any requests for new apps must be submitted through the Help Desk site.

Hardware and storage
Hardware requirements
You must minimize the number of servers and applications whenever possible. You must only deploy additional servers and applications if the requesting department manager provides the appropriate documentation to support the need.

File storage requirements
Content must not be stored in the perimeter network. All access to SharePoint content from the Internet must be handled through servers in the perimeter network. Human resources (HR) data must be kept separate from all other data.

HR department
The HR manager needs a website to implement time management and leave requests. The HR manager has found an app that will provide this functionality on a SharePoint independent software vendor website, and would prefer to use this app as opposed to creating a custom in-house app. This app will only need read access to data in the HR site collection.

You must create a site for the HR department that allows new employees to read required documents regarding policies and procedures. The site must also provide all employees access to other HR documentation such as the employee handbook, employee leave procedures, and acceptable use guides. IT department
You must implement a Help Desk website and associated workflows. To create the site, you must access data from a Microsoft Excel workbook into a SQL Server database by using an SQL Server Integration Services (SSIS) package. You must access data from other data sources.

Employees must be able to fill out a help request on the site and then check the status of the request. The IT department staff must be able to respond to the requests, update the status of requests, and close requests. IT department managers must be able to track the status of requests, and generate reports on the progress of requests.

Marketing department
Collaboration sites
Marketing department employees must be able to create their own collaboration sites in SharePoint. The collaboration sites will be used for new product release discussions and marketing plans related to those new products. The URL for the collaboration sites must use the format: /products/productname.

Custom terms
The marketing department must be able to use custom terms when identifying marketing strategies. Other departments must not be able to use custom terms. This requirement has been approved by management.

Public-facing sites
You must create a site for the marketing department that provides information to potential customers about the current product line and any products in development. The marketing team must be able to access this site by using their mobile devices.
Sales department
The sales manager needs a site to display sales progress data. The site must include KPIs and metrics that are generated by using information from a database stored on a SQL Server. Sales department employees are often away from the office. They must be able to access SharePoint data from external locations and when they are offline. Sales department employees need a site that customers can access to purchase products and check on the status of orders.
You need to implement the Sales Progress website.
Which service application should you create and configure?
A. a Business Data Connectivity Service application
B. an Application Management Service application
C. the Access Service 2010 service application
D. the PerformancePoint Service application
Correct Answer: D
Explanation/Reference:

Question 21
Does this solution meet the goal?
In this section, you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.
Once you answer a question in this section you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You have an existing SharePoint 2016 on-premises environment. You are configuring a SharePoint hybrid solution. You must store all personal sites in Office 365. You create App Management service, Managed Metadata service, and User Profile service applications. You create a web application and site collection for the My Site Host. You grant users the Create Personal Site and Follow People and Edit Profile permissions. Then, you create an audience for the users that will be redirected to Office 365. In the SharePoint Central Administration, you configure hybrid OneDrive for Business settings.
Does this solution meet the goal?
A. Yes
B. No
Correct Answer: A
Explanation/Reference:

Question 22
What should you do?
You are a SharePoint administrator for Contoso, Ltd. You manage a large SharePoint Server farm. You configure a single SharePoint Search application for the farm. The Search Service application has five crawl databases. All crawl databases have content. Contoso would like to crawl content from a partner company named WingTip Toys. This crawled content must be stored in a dedicated crawl database.
You need to configure the environment.
What should you do?
A. Provision a new Search Server for the existing Search Service application. Add dedicated crawl components for WingTip Toys to the new Search Server.
B. Create a dedicated Microsoft SQL Server instance for the WingTip crawl database.
C. Add a crawl database to the existing Search Service application.
D. Provision a new Search Service application. Configure the Search Service application to crawl WingTip Toys content.
Correct Answer: C
Explanation/Reference:
Maximum crawl databases per Search Service application increased from 5 to 15 in SharePoint 2016.
References:

Question 23
How should you complete the Windows PowerShell commands?
HOTSPOT
You are a SharePoint administrator for Contoso, Ltd. You manage an on-premises SharePoint environment. A user named User1 is the site collection administrator for the Human Resources (HR) site. User1 leaves the company and is replaced with a user named User2. Access requests for the HR SharePoint site are still being sent to User1. You need to ensure that User2 receives all access requests to the HR site.
How should you complete the Windows PowerShell commands? To answer, select the appropriate Windows PowerShell segment from each list in the answer area.
Hot Area:
Question 24
What should you do?
HOTSPOT
A company uses SharePoint 2016 in a hybrid environment. You replace an administrator that has left the company.
A vendor notifies you that the SSL certificate that you purchased from the vendor is expired. The hybrid environment is not able to authenticate domain users that attempt to access it. When accessing the online environment by using a cloud user account, you observe that Search is not returning results from the entire farm.
You need to locate the expired certificates and renew them.
What should you do to answer, select the appropriate certificate type of location from each list in the answer area.
Note: Each correct selection is worth one point.
Hot Area:
Question 25
What should you do?
You are a SharePoint administrator for a company. You deploy OneDrive for Business on-premises. Files are explicitly shared with external users by sending email invitations. Users report that they cannot immediately view files in the OneDrive for Business Shared with Me view. You need to ensure that users can view all files as they are shared while minimizing the changes to the current service topology.
What should you do?
A. Enable the Recently Shared Items cache on the My Siteserver.
B. Enable Continuous Crawl.
C. Enable the Distributed Cache on all servers.
D. Enable the Recently Shared Items cache on the Search server.
Correct Answer: A
Explanation/Reference:

Question 26
What should you do?
You are a SharePoint administrator for Contoso, Ltd. The company acquires WingTip Toys. You must be able to manage and administer SharePoint site collections in the WingTip Toys SharePoint farm by using Windows PowerShell. You need to configure permissions for SharePoint site collection administrators.
What should you do?
A. Add the WingTip Toys SharePoint administrators to the Site Collection Administrators group.
B. Add the Contoso, Ltd. SharePoint administrators to the Site Collection Administrators group.
C. Add the Contoso, Ltd. SharePoint administrators to the SharePoint_Shell_Access role.
D. Add the WingTip Toys SharePoint administrators to the SharePoint_Shell_Access role.
Correct Answer: C
Explanation/Reference:
Question 27
Which permission level should you grant to the manager?
You are the SharePoint administrator for Contoso, Ltd. You deploy a new team site for the Marketing department to the company’s SharePoint environment.
The manager for the Marketing department must be able to add and manage groups in the new site.
You need to grant the correct permissions to the manager while minimizing administrative impact.
Which permission level should you grant to the manager?
A. Designer  
B. Approver  
C. Site administrator  
D. Contributor  
E. Site Collection administrator  
Correct Answer: C
Explanation/Reference:

Question 28
Which two actions should you perform?
You deploy a SharePoint 2016 environment. You configure outgoing email settings for all SharePoint Servers.
You need to enable encrypted communication between all SharePoint Servers and the enterprise SMTP server.
Which two actions should you perform? Each correct answer presents part of the solution.
A. Configure the SMTP server to support the TLS 1.0, TLS 1.1, or TLS 1.2 protocols.  
B. Install a server certificate on the SharePoint Server.  
C. Configure the SMTP server to support the SSL 2.0 or SSL 3.0 protocols.  
D. Enable STARTTLS encryption on the SharePoint Servers.  
E. Enable STARTTLS encryption on the enterprise SMTP server.  
Correct Answer: AE
Explanation/Reference:

Question 29
How should you complete the Windows PowerShell commands?
You manage a SharePoint farm for Contoso, Ltd. You create a managed account for a User Profile service application.
You need to provision User Profile service application and attach its proxy to the default group.
How should you complete the Windows PowerShell commands? To answer, select the appropriate Windows PowerShell segment from each list in the answer area.

Answer Area

```powershell
$sappPool = New-SPServiceApplicationPool -Name "UserProfile" -Account "contosoAppPoolUserAccount"
(Get-SPManagedAccount "contosoAppPoolUserAccount")
Set-SPManagedAccount -Identity "contosoAppPoolUserAccount"
New-SPManagedAccount-Credential (Get-Credential "contosoAppPoolUserAccount")

$userProfile = New-SPPProfileServiceApplicationProxy -ServiceApplication $sappPool -ApplicationPool $sappPool -Name "UPS"
New-SPPProfileServiceApplicationProxy -ServiceApplication $userProfile
-New-SPPProfileServiceApplication
-Set-SPPProfileServiceApplicationProxy
-Set-SPPProfileServiceApplication

Correct Answer:
```

Question 30
What should you do?
You are an administrator for an on-premises SharePoint 2016 farm. A partner organization needs access to some of the resources in the farm. The partner organization does not use Windows Active Directory and does not have third-party signed certificates. The partner organization does not have the personnel or expertise to set up and manage a public key infrastructure (PKI). The partner organization can supply you with a file that lists the users who need access to your SharePoint farm.
All access to SharePoint resources must be authenticated.
You need to configure authentication for the partner organization.
What should you do?
A. Configure forms-based authentication.
B. Configure a federated relying party trust.
C. Configure a cross-forest trust.
D. Configure anonymous access.
Correct Answer: A
Explanation/Reference:

Question 31
How should you configure authentication and authorization for the app?
HOTSPOT
Your development team deploys a new SharePoint Store app that interacts with the user by using an IFRAME. When the user loads a SharePoint page, the IFRAME is empty.
You need to ensure that the SharePoint Store app loads properly.
How should you configure authentication and authorization for the app? To answer, select the appropriate option from each list in the answer area.

Correct Answer:
You manage a SharePoint environment.
You need to block all ports on the SharePoint Servers that are not used for essential communications.

To answer, drag the appropriate set of ports or port ranges to the correct service. Each set of ports or port ranges may be used once, more than once, or not at all. You may need to drag the split bar between the panes or scroll to view content.

Note: Each correct selection is worth one point.

Select and Place:

Correct Answer:
### Question 33
How should you configure federated search?

**Explanation/Reference:**

**Answer Area**

<table>
<thead>
<tr>
<th>Ports and Protocols</th>
<th>Service</th>
<th>Ports and protocols</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP 9354, TCP 9355, TCP 9356</td>
<td>Service Applications</td>
<td>TCP 32843, TCP 32844, TCP 32845</td>
</tr>
<tr>
<td></td>
<td>People Search/ MIM</td>
<td>TCP 5725</td>
</tr>
<tr>
<td></td>
<td>Search Index component</td>
<td>TCP 16600-16519</td>
</tr>
<tr>
<td></td>
<td>Name resolution</td>
<td>TCP/UDP 53</td>
</tr>
<tr>
<td></td>
<td>Kerberos</td>
<td>TCP/UDP 88</td>
</tr>
<tr>
<td>TCP 22233-22236</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A company uses SharePoint Online and SharePoint Server 2016 on-premises.
You need to configure two-way federated search between SharePoint Online and SharePoint Server on-premises.

How should you configure federated search? To answer, drag the appropriate option to the correct result source and remote providers. Each option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

**Note:** Each correct selection is worth one point.

**Select and Place:**

**Products**

- SharePoint 2016
- SharePoint Online

**Federated Search**

- Outbound search
- Inbound search

**Result source**

- Product

**Remote provider**

- Product

**Correct Answer:**
Question 34
Which action should you perform?

You are the SharePoint administrator for a company. You have an on-premises SharePoint 2016 farm and an Office 365 SharePoint Online environment. The SharePoint Online environment uses a search index. You configure a Search Service application (SSA).

You need to plan the integration between the SSA to the Office 365 tenant.

For each step, which action should you perform? To answer, select the appropriate option from each list in the answer area.

Correct Answer:

1. Configure an Azure Access Control Service allocation proxy.
   Create a new managed account.
   Create a SharePoint claims provider.

2. Register a trusted security token.
   Create a trusted root authority.
   Register a new claims provider.

3. Publish the local service application.
   Configure the SharePoint Service host.
   Configure a SharePoint Service application proxy.
   Create a new SharePoint subscription service proxy.
Question 35
Which three actions should you perform in sequence?

DRAG DROP
A company uses SharePoint Server 2016 to manage documents and Microsoft Exchange Server 2013 for email. The company’s legal and compliance team wants to be able to place holds on content to restrict data loss. The legal and compliance team has the following requirements:
- Team members must be able to search Exchange content from within SharePoint, including employee email messages.
- Team members must be able to export data by performing a single action.
- This content must only be accessible to the team members after you verify that the environment is configured properly.
You need to configure the SharePoint environment. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:
You are the system administrator for a company. You have both Microsoft Exchange 2016 and SharePoint 2016 in your environment. You plan to integrate SharePoint and Exchange and use site mailboxes. You need to configure the environment to support site mailboxes. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in sequence:

<table>
<thead>
<tr>
<th>Actions</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create a Search Center and share the center with the legal and compliance team.</td>
<td></td>
</tr>
<tr>
<td>Create a SharePoint content source.</td>
<td></td>
</tr>
<tr>
<td>Create an Exchange content source.</td>
<td></td>
</tr>
<tr>
<td>Configure a trust between SharePoint and Exchange.</td>
<td></td>
</tr>
<tr>
<td>Create an eDiscovery Center and share the center with the legal and compliance team.</td>
<td></td>
</tr>
<tr>
<td>Create a SharePoint result source.</td>
<td></td>
</tr>
<tr>
<td>Create an Exchange result source.</td>
<td></td>
</tr>
</tbody>
</table>

Correct Answer:

<table>
<thead>
<tr>
<th>Actions</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create a Search Center and share the center with the legal and compliance team.</td>
<td></td>
</tr>
<tr>
<td>Configure a trust between SharePoint and Exchange.</td>
<td></td>
</tr>
<tr>
<td>Create an Exchange content source.</td>
<td></td>
</tr>
<tr>
<td>Create an eDiscovery Center and share the center with the legal and compliance team.</td>
<td></td>
</tr>
<tr>
<td>Create a SharePoint result source.</td>
<td></td>
</tr>
<tr>
<td>Create an Exchange result source.</td>
<td></td>
</tr>
</tbody>
</table>

Explanation/Reference:
References:

Question 36
Which three actions should you perform in sequence?
DRAG DROP
You are the system administrator for a company. You have both Microsoft Exchange 2016 and SharePoint 2016 in your environment. You plan to integrate SharePoint and Exchange and use site mailboxes. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in sequence.
them in the correct order.
Select and Place:

**Actions**

- Copy the `Set-SiteMailboxConfig` and `Check-SiteMailboxConfig` scripts to the SharePoint web front-end servers in the SharePoint farm. Then, run the `Set-SiteMailboxConfig` script.
- Copy the `Set-SiteMailboxConfig` and `Check-SiteMailboxConfig` scripts to the SharePoint web front-end servers in the SharePoint farm. Then, run the `Check-SiteMailboxConfig` script.
- Install the Exchange Server Web Services API on each Exchange front-end server.
- On a SharePoint server, run the `Configure-ErprisePartnerApplication` script.
- On an Exchange server, run the `Configure-ErprisePartnerApplication` script.

**Correct Answer:**

**Actions**

- Install the Exchange Server Web Services API on each Exchange front-end server.
- Copy the `Set-SiteMailboxConfig` and `Check-SiteMailboxConfig` scripts to the SharePoint web front-end servers in the SharePoint farm. Then, run the `Set-SiteMailboxConfig` script.
- On an Exchange server, run the `Configure-ErprisePartnerApplication` script.

**Answer Area**

Explanation/Reference:

References:

**Question 37**
Which action should you perform?

DRAG DROP

You are the administrator for a company’s SharePoint 2016 farm. Employees use Search functionality extensively. Employees report that display as they enter queries are often irrelevant. You identify the following requirements:

- You must add several specific search refiners to Search results pages.
- You must expand query results by using synonyms for search keywords.

You need to implement the improvements to search functionality.

For each requirement, which action should you perform? To answer, drag the appropriate action to the correct requirement. Each action may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Note: Each correct selection is worth one point.

Select and Place:

<table>
<thead>
<tr>
<th>Actions</th>
<th>Requirement</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create and deploy a thesaurus.</td>
<td>Expand queries with synonyms.</td>
<td>Action</td>
</tr>
<tr>
<td>Configure authoritative pages.</td>
<td>Set up custom refiners.</td>
<td>Action</td>
</tr>
<tr>
<td>Manage query rules.</td>
<td>Edit phrases that are shown to users as they start typing a query.</td>
<td>Action</td>
</tr>
<tr>
<td>Manage query spelling correction.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Create custom entity extractors.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manage query suggestion.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Correct Answer:

<table>
<thead>
<tr>
<th>Actions</th>
<th>Requirement</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create and deploy a thesaurus.</td>
<td>Expand queries with synonyms.</td>
<td>Create and deploy a thesaurus.</td>
</tr>
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<td>Configure authoritative pages.</td>
<td>Set up custom refiners.</td>
<td>Create custom entity extractors.</td>
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<tr>
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<td>Edit phrases that are shown to users as they start typing a query.</td>
<td>Manage query suggestion.</td>
</tr>
<tr>
<td>Manage query spelling correction.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Explanation/Reference:**

**Question 38**
What should you do?

HOTSPOT

You are a SharePoint administrator. You set up a publishing website that is based on product catalogue data. You are configuring Search to retrieve...
and display content from the publishing website. Content managers have site collection administrator permissions.
You need to ensure that multiple crawls can occur for the same content at the same time.
What should you do? To answer, select the appropriate value from each list in the answer area.
Hot Area:

**Answer Area**

<table>
<thead>
<tr>
<th>Option</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search administrators must enable the following crawl type:</td>
<td>full crawl</td>
</tr>
<tr>
<td></td>
<td>continuous crawl</td>
</tr>
<tr>
<td>Role that must initiate a full index of the catalog:</td>
<td>site owner</td>
</tr>
<tr>
<td></td>
<td>content managers</td>
</tr>
</tbody>
</table>

Correct Answer:

**Answer Area**

<table>
<thead>
<tr>
<th>Option</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
<td></td>
<td>continuous crawl</td>
</tr>
<tr>
<td>Role that must initiate a full index of the catalog:</td>
<td>site owner</td>
</tr>
<tr>
<td></td>
<td>content managers</td>
</tr>
</tbody>
</table>

Explanation/Reference:
References:
https://blogs.technet.microsoft.com/tothesharepoint/2013/02/26/stage-4-set-up-search-and-enable-the-crawling-of-your-catalog-content/

**Question 39**

Which three actions should you perform in sequence?

**DRAG DROP**

You manage the SharePoint 2016 environment for a multinational company with 195 offices in 57 different regions. Each department in the company has its own site collection. Business users have Contribute access to their own department sites and Read access to all other department sites.

You have the following requirements:
. Maintain a standardized list of office locations across all departments.
. Track the office location as metadata for contract documents that are stored in each of the departmental site collections.
. Business users must be able to add new office locations directly when they save new files to SharePoint.
. When a user adds a new office location, the location information must be accessible to all users for use on other documents.

You need to configure SharePoint to track office location for contract documents.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange...
During the upgrade from SharePoint 2013 to SharePoint 2016, you discover there is a missing feature. You review the logs and observe the following error message:

Message: Database [WSS_Contooso_OR01] has reference(s) to a missing feature: Id= [4be9a980-965f-486f-9eda-074e284875d7].

Remedy: The feature with Id 4be9a980-965f-486f-9eda-074e284875d7 is referenced in the database [WSS_Contooso_OR01], but is not installed on the current farm. The missing feature may cause upgrade to fail. Please install any solution which contains the feature and restart upgrade if necessary.

You need to identify the page that is missing the feature. Which of the following will identify the page?
A. On the SharePoint Server, run the following Windows PowerShell command:
```powershell
test-spcontentdatabase-name $dbName-webapplication $wa|
select category, message | where {$_ .category -eq "missingFeature"}
```
B. On the SharePoint Server, run the following Windows PowerShell command:
```powershell
test-spcontentdatabase-name $dbName-webapplication $wa|
select category, message | where {$_ .category -eq "MissingSetupFile"}
```
C. On the SQL Server, run the following SQL syntax against WSS_Conitoso_OR01: 
```sql
select featureid, fullurl from websinner join features on
webs.id = features.webid
where featureid = '4be9a980-965f-486f-9eda-074e284875d7'
order by featureid
```
D. On the SharePoint Server, review the Health Analyzer and find the missing dependencies.

Correct Answer: A

Explanation/Reference:

Question 41
Which three actions should you perform in sequence?

DRAG DROP
You are the SharePoint administrator for your organization. You have one web application named WebApp1 in the farm. You need to prevent users from purchasing apps from the SharePoint Store while allowing users to request apps from the App Catalog.
Which three actions should you perform in sequence? To answer, move the appropriate actions form the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:
You are a SharePoint administrator for Contoso, Ltd. You are migrating a SharePoint 2010 farm to SharePoint 2016. The SharePoint 2010 farm has only classic mode web applications.
You observe that the WSS_Content_ProjectArchive content database is not attached to the SharePoint 2013 farm.
You need to migrate the SharePoint 2010 WSS_Content_ProjectArchive content database to an existing SharePoint 2013 claims-based web application named WebApp1.
Which four actions should you perform in sequence? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.
Select and Place:
Correct Answer:

- Attach the WSS_Content_ProjectArchive content database to WebApp1.
- Attach the WSS_Content_ProjectArchive content database to ClassicAuthApp.
- Run the following Windows PowerShell command:

  ```powershell
  Convert-SPWebApplication-Identity WebApp1-To Claims-RetainPermissions
  ```

  Run a Windows PowerShell script to convert WebApp1 to a classic mode web application while retaining permission settings.

- Run the following Windows PowerShell command:

  ```powershell
  New-SPWebApplication-name "ClassicAuthApp"-Port 100
  -ApplicationPool "ClassicAuthAppPool"
  -ApplicationPoolAccount (Get-SPManagedAccount "contoso\User1")
  ```

- Attach the SharePoint 2010 project archive content database to ClassicAuthApp.

- Run the following Windows PowerShell command:

  ```powershell
  New-SPWebApplication-name "ClassicAuthApp"-Port 100
  -ApplicationPool "ClassicAuthAppPool"
  -ApplicationPoolAccount (Get-SPManagedAccount "contoso\User1")
  -AuthenticationProvider (New-SPAuthenticationProvider)
  ```

  Run the following Windows PowerShell command:
Question 43
What should you do?
You are the administrator for a SharePoint 2016 farm. You configure a connection to the SharePoint Store. Users report that they cannot select or install specific apps from the SharePoint Store. Users can install other apps. You need to allow users to purchase and install any type of apps from the SharePoint Store. What should you do?
A. Activate the Internet-facing endpoints feature for apps.
B. Configure the Store settings to allow users to purchase apps.
C. Deploy an App Catalog.
D. Delete the existing App Catalog, then delete and provision the Subscription Setting and App Management service applications.
Correct Answer: A
Explanation/References:

Question 44
What should you recommend?
You are planning to create a high availability solution for your company’s SharePoint environment. The company requires:
. the shortest possible recovery time
. automatic failover
. the usage of multiple subnets
You need to recommend a solution to the company’s management team. For each requirement, what should you recommend? To answer, drag the appropriate SQL Server options to the correct requirement. Each SQL Server option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. Note: Each correct selection is worth one point. Select and Place:

Question 45
Which two actions should you perform?
You are the administrator for a SharePoint 2016 farm.
You need to integrate Microsoft System Center Operations Manager dashboards and real-time diagnostic data with the SharePoint 2016 farm.
Which two actions should you perform? Each correct answer presents part of the solution.
A. Configure Microsoft SharePoint Insights.
B. Configure Visio Services.
C. Configure System Center Integration with Office 365 by using private cloud integration.
D. Deploy the Microsoft System Center Operations Manager SharePoint web part.
Correct Answer: BD
Explanation/Reference:

Question 46
HOTSPOT
HOTSPOT
You administer the SharePoint 2016 farm for a company. Servers for the farm are distributed between the company’s main office and a branch office.
You must make new custom solution packages to all SharePoint Servers in the farm.
In the table below, identify the method to use for each group of servers.
Note: Make only one selection in each column. Each correct selection is worth one point.
Hot Area:
Question 47
How should you complete the Windows PowerShell command?

**DRAG DROP**
You provision and configure a new SharePoint farm. The farm has not been backed up.
You need to back up all services applications in the farm.

How should you complete the Windows PowerShell command? To answer, drag the appropriate Windows PowerShell segment to need to drag the split bar between panes or scroll to view content.

Select and Place:
You are an administrator for a company. You manage the company’s SharePoint environment. You also manage SQL Server and file system backups. All SQL instances run SQL Server 2014 SP1.

The data analytics team releases a custom reporting and analytics solution.

You need to provide a backup plan for the custom reporting and analytics solution.

In the table below, identify the component that you can back up for each backup method.

Note: Make only one selection in each column. Each correct selection is worth one point.

**Hot Area:**

<table>
<thead>
<tr>
<th>Windows PowerShell segment</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Differential</td>
<td></td>
</tr>
<tr>
<td>Farm</td>
<td>Backup PowerShell segment</td>
</tr>
<tr>
<td>Farm\Shared Services</td>
<td>- Directory\srv01\backup\</td>
</tr>
<tr>
<td>Full</td>
<td>- BackupMethod: PowerShell segment</td>
</tr>
<tr>
<td></td>
<td>Item</td>
</tr>
<tr>
<td></td>
<td>SPConfigurationDatabase</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPFarm</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Correct Answer:

<table>
<thead>
<tr>
<th>Windows PowerShell segment</th>
<th>Answer Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Differential</td>
<td></td>
</tr>
<tr>
<td>Farm</td>
<td>Backup SPFarm</td>
</tr>
<tr>
<td>Farm\Shared Services</td>
<td>- Directory\srv01\backup\</td>
</tr>
<tr>
<td>Full</td>
<td>- BackupMethod: Full</td>
</tr>
<tr>
<td></td>
<td>- Farm\Shared Services</td>
</tr>
<tr>
<td></td>
<td>Item</td>
</tr>
<tr>
<td></td>
<td>SPConfigurationDatabase</td>
</tr>
</tbody>
</table>

Explanation/Reference:
References:
Which option should you implement?

You are the SharePoint administrator for Contoso. You are establishing a disaster recovery (DR) location for the SharePoint farm. You plan to create service application databases for the DR environment that are configured to use read-only mode.

You need to add the service applications to the passive farm.

For each service application, which option should you implement? To answer, select the appropriate option from each list in the answer area.

### Correct Answer:

<table>
<thead>
<tr>
<th>Component</th>
<th>SQL Server backups</th>
<th>File system backups</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Applications</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Customizations not deployed as solution packages</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>SharePoint list items</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>SharePoint content databases</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>SQL Server Reporting Services databases</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

### Explanation/Reference:

**Question 49**

Which option should you implement?

HOTSPOT

You are the SharePoint administrator for Contoso. You are establishing a disaster recovery (DR) location for the SharePoint farm. You plan to create service application databases for the DR environment that are configured to use read-only mode.

You need to add the service applications to the passive farm.

For each service application, which option should you implement? To answer, select the appropriate option from each list in the answer area.
Question 50
Which three actions should you perform in sequence?

You are assisting Company1 in the development of a website that displays information about their products to customers on the Internet. Company1 web publishers will not have access to publish directly to the Internet site.

You have the following requirements:
- Web publishers must be able to update web pages from a SharePoint site collection that is only accessible on the Company1 internal network.
- Web page updates must be published on an automated basis to a SharePoint site collection that is accessible from the Internet.

You need to configure the website.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:
Question 51
A college plans to enable personal sites for all users. All personal sites will be created in a dedicated web application. All staff, faculty members, and students have access to the same SharePoint environment. You need to ensure that only college staff and faculty members can create personal sites. What should you do?
A. Manage user permissions for the User Profile service application.
B. Define site app permissions for the intranetsitecollection.
C. Manage organization subtypes for the User Profile service application.
D. Define permission levels for the intranet collection.

Correct Answer: A

Explanation/Reference:
https://support.office.com/en-us/article/Manage-content-deployment-paths-and-jobs-6e6bd77bf-6906-41bb-abb8-327c94a54548
Question 52
Which two server role sets can you use?
A company plans to deploy a SharePoint 2016 farm. The company only has enough budget to purchase four SharePoint Server licenses and two SQL Server licenses.
The farm must be highly available.
You need to deploy the SharePoint 2016 farm.
Which two server role sets can you use? Each correct answer presents a complete solution.
A. Two front-end servers and two custom servers.
B. Two front-end servers and two application servers.
C. One front-end server, one application server, and two custom servers.
D. One front-end server, one application server, one Search Server, and one Distributed Cache server.

Correct Answer: AB
Explanation/Reference:
Explanation:
References:

Question 53
What should you do?
You are customizing standard content types for an organization. For the tracking of a department, you must allow users to easily select or enter a value.
In some cases, users may refer to a single department by more than one name. Users must be able to select or type any name for a department but the document must be associated with only one department.
You need to create a column that supports the requirements.
What should you do?
A. Create a Choice site column that uses check boxes.
B. Create a Choice site column that uses a drop-down menu.
C. Create a Managed Metadata site column.
D. Create a Choice list that uses a drop-down menu.

Correct Answer: B
Explanation/Reference:
Explanation:
References:
http://en.share-gate.com/blog/start-learn-sharepoint-advanced-column-types

Question 54
Which three actions should you perform in sequence?
DRAG DROP
Your company plans to move team sites from an on-premises SharePoint environment to the cloud. You register a custom domain with Office 365.
You need to configure the Office 365 environment for the hybrid infrastructure before you configure the on-premises environment.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.
Select and Place:

Correct Answer:
Question 55
What should you do?
Your organization has a complex retention schedule that clearly defines retention policies for all document types. Each department has its own SharePoint site. In many cases, a single document library on a department site may contain financial files, human resources files, and project documentation.
The following table lists the retention policies that are in place.

<table>
<thead>
<tr>
<th>Content type</th>
<th>Retention policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial records</td>
<td>Delete files after five years.</td>
</tr>
<tr>
<td>Human resources files</td>
<td>Archive files after four years.</td>
</tr>
<tr>
<td>Project documentation</td>
<td>Retain files for three years after the project end date.</td>
</tr>
</tbody>
</table>

You must administer retention rules from a single location for each type of document and must leverage out of the box functionality. You need to configure the SharePoint environment to comply with the retention schedule.

What should you do?
A. Configure information management policies for the document libraries.
B. Activate the Disposition Approval feature.
C. Activate the In-Place Records Management feature.
D. Configure information management policies on content types.
E. Activate library and folder-based retention.

Correct Answer: D

Explanation/Reference:

Question 56
Which tool or command line utility should you use?
HOTSPOT
You plan to install SharePoint Server 2016 in a new environment. You need to install the SharePoint Server prerequisite components.
For each prerequisite installation method, which tool or command line utility should you use? To answer, select the appropriate tool or command line utility from each list in the answer area.

- **Run the Hybrid Picker**
- **Assign licenses to users.**
- **Assign UPN domain suffixes**
- **Create a synchronization connection with Active Directory Domain Services for the User Profile Service.**
- **Synchronize user accounts with Office 365**

Explanation/Reference:
### Correct Answer:

<table>
<thead>
<tr>
<th>Answer Area</th>
<th>Tool or command line utility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite installation method</strong></td>
<td></td>
</tr>
</tbody>
</table>
| Install from a network share | Setup.exe  
PrerequisiteInstaller.exe  
SharePoint Products Configuration Wizard  
Microsoft SharePoint Products and Technologies 2016 Preparation Tool |
| Install from the Internet | Setup.exe  
PrerequisiteInstaller.exe  
SharePoint Products Configuration Wizard  
Microsoft SharePoint Products and Technologies 2016 Preparation Tool |

**Explanation/Reference:**
- References: