**Questions Weightage**

**Digital Architecture : 7 Questions**

**Data Management : 14 Questions**

**Application Development : 35 Questions**

**Environment Setup : 4 Questions**

1. **How to create custom object using script API? 1 quesiton**
2. Methods available in dw.object.CustomObjectMgr class are used to create custom object.

**Syntax :**

Method 1:

static **[createCustomObject](https://documentation.demandware.com/DOC1/topic/com.demandware.dochelp/DWAPI/scriptapi/html/api/class_dw_object_CustomObjectMgr.html?cp=0_16_2_17_3" \l "dw_object_CustomObjectMgr_createCustomObject_String_String_DetailAnchor)**(type : [String](https://documentation.demandware.com/DOC1/topic/com.demandware.dochelp/DWAPI/scriptapi/html/api/class_TopLevel_String.html), keyValue : [String](https://documentation.demandware.com/DOC1/topic/com.demandware.dochelp/DWAPI/scriptapi/html/api/class_TopLevel_String.html)) : [CustomObject](https://documentation.demandware.com/DOC1/topic/com.demandware.dochelp/DWAPI/scriptapi/html/api/class_dw_object_CustomObject.html)

Returns a new custom object instance of the specified type, using the given key value.

Method 2:

static **[createCustomObject](https://documentation.demandware.com/DOC1/topic/com.demandware.dochelp/DWAPI/scriptapi/html/api/class_dw_object_CustomObjectMgr.html?cp=0_16_2_17_3" \l "dw_object_CustomObjectMgr_createCustomObject_String_Number_DetailAnchor)**(type : [String](https://documentation.demandware.com/DOC1/topic/com.demandware.dochelp/DWAPI/scriptapi/html/api/class_TopLevel_String.html), keyValue : [Number](https://documentation.demandware.com/DOC1/topic/com.demandware.dochelp/DWAPI/scriptapi/html/api/class_TopLevel_Number.html)) : [CustomObject](https://documentation.demandware.com/DOC1/topic/com.demandware.dochelp/DWAPI/scriptapi/html/api/class_dw_object_CustomObject.html)

Returns a new custom object instance of the specified type, using the given key value.

**Example:**

importPackage( dw.system );

**importPackage( dw.object );**

function execute( args : PipelineDictionary ) : Number

{

**var co = CustomObjectMgr.createCustomObject("NewsletterSubscription",**

**args.email);**

co.custom.firstName = args.firstName;

co.custom.lastName = args.lastName;

args.subscription = co;

return PIPELET\_NEXT;

}

1. How to render a template from controller? **2 questions**

**Q1)** **What is method to be used to render a template from controller?**

1. Methods available in dw.template.ISML class are used to render a template.

**Syntax:**

1. static **[renderTemplate](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_dw_template_ISML.html" \l "dw_template_ISML_renderTemplate_2_String_DetailAnchor)**(template : [String](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_TopLevel_String.html)) : void

Renders an ISML template and writes the output to the current response.

1. static **[renderTemplate](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_dw_template_ISML.html" \l "dw_template_ISML_renderTemplate_2_String_Object_DetailAnchor)**(template : [String](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_TopLevel_String.html), templateArgs : [Object](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_TopLevel_Object.html)) : void

Renders an ISML template and writes the output to the current response.

**Example:**

let isml = require('dw/template/ISML'); ``````````````````````````````````````````````````````

**isml.renderTemplate('helloworld', {**

**Message: 'Hello, World!'**

**})**;

**Q2)** **What is the path do we need to give while passing a template to a renderTemplate() method which is available in templates/default folder?**

1. **Only template name we should pass if it is directly available under default folder .**
2. **If it is not directly available under default folder then we need specify path like this**

**Subfolder/template name**

**Description:**

Templates are stored as \*.isml files. They are located in a locale-specific folder under the '/cartridge/templates' folder, with '/cartridge/template/default' being the default locale.

So /cartridge/template/default is implicit path no need to specify.

**Example:**

1. If hello.isml is created under **default** folder then we need to pass hello template like this

ISML.renderTemplate(“hello.isml”, {});

1. If hello.isml is created under **default/test** folder then we need to pass hello template like this

ISML.renderTemplate(“test/hello.isml”, {});

1. **When Network and web adapter are not available how to check the performance of controller?**
2. In order to check the performance of controller we have to use different attributes(**like call count, response time, Processing time, cache hit ratio**) available in technical reports. But in this scenario we have to use **Processing time** attribute.
3. **In order to access resources from ocapi what are the configurations need to be done in ocapi settings and what are mandatory?**
4. **Client\_id, resource\_id and allowed\_origns**

**Description:**

1. In Business Manager: **Administration > Site Development > Open Commerce API Settings**.

2. In the **Select type** field, select the API type for the configuration.

3. In the **Select context** field, select the context for the configuration (either Global if you want the configuration to affect all sites in the organization, or the name of a site if you want the configuration to affect only a specific site).

4. In the text field, edit the JSON document.

5. Click **Save**.

**Example:**

{

"\_v":"18.2",

"clients":

[

{

"allowed\_origins":["http://www.sitegenesis.com","https://secure.sitegenesis.com"],

"client\_id":"aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa",

"response\_headers":{"x-foo":"bar","P3P":"CP=\"NOI ADM DEV PSAi COM NAV OUR OTR STP IND DEM\""},

"resources":

[

{

"resource\_id":"/product\_search",

"methods":["get"],

"read\_attributes":"(\*\*)",

"write\_attributes":"(\*\*)",

"cache\_time":900,

"version\_range":{"from":"18.2"}

},

{

"resource\_id":"/products/\*/bundled\_products",

"methods":["get"],

"read\_attributes":"(c\_name,c\_street)",

"write\_attributes":"(\*\*)"

},

{

"resource\_id":"/baskets/\*/items",

"methods":["post"],

"read\_attributes":"(\*\*)",

"write\_attributes":"(product\_id, quantity)"

}

]

}

]

}

1. How to check the performance of particular page in storefront? [what are the ways] **1 Quesiton**

**Q) While rendering a category landing page to render producttiles taking too much time so how should we check the performance of producttile?**

A) By using Technical Reports

B) By using Storefront Toolkit

1. **How to import files from other person’s sandbox instance to your sandbox instance?** 1
2. To import files from other person’s instance
3. Export files from other Person’s instance
4. Get them into your local system
5. Then go to Administration->site Development->site import&export
6. Upload files from your local system and then import them into your sandbox instance or your site.
7. **What are things you can import using content import and export? 1**

**Answer:**

1. Content Assets
2. Library Folders
3. Static Images
4. Resource Bundles [Creation Syntax for different locales] **3 questions**

**Q1) While creating a properties file for different locale other than default what is the syntax we need to use?**

1. **Bundlename*\_<<locale\_id>>*.properties**

**Example:**

1. To create account.properties file for French locale we need to use this syntax.

**account\_fr\_FR.properties**

**Q2) Where should we create properties file for different locales other than default?**

1. **templates/resources**

**Description:** For all locales(including default) we create properties files in templates/resources folder only.

**Example:** To create account.properties file for Italy locale then the path should be like this

**templates/resources/account\_it\_IT.properties.**

**Q3) Given the resource bundle files below:**

**The file hello.properties contains:**

**greeting=Hello!**

**The file hello\_fr.properties contains:**

**greeting=Bonjour!**

**Site is set to default locale as fr**

**Which sample code returns the value from the greeting key**

**in hello\_fr.properties?**

*Choose One*

A) dw.web.Resource.msg('greeting\_fr', 'hello', null)

B) dw.web.Resource.msg('greeting', 'hello\_fr', null)

C) dw.web.Resource.msg('greeting', 'hello', 'fr')

**D) dw.web.Resource.msg('greeting', 'hello', null)**

1. **Web service is already configured and getting failed every time when it is calling so what are steps we need to take?**

**Answer:**

1. **We need to Increase Response time.**
2. **We need to handle serviceunavailable exception**
3. How to disable payment methods? [Configuration in BM] **3 questions**

**Q1)** **How do you disable discover credit card for a site?**

1. **Merchant Tools -> Ordering -> Payment Methods**

**Q2) How do you disable apple pay payment method for entire site?**

1. Merchant Tools -> Site preferences -> ApplePay

**Q3) How do you disable apple Pay payment method for particular locale?**

1. Merchant Tools -> Ordering -> Payment Methods
2. How to add custom attributes and how to access them? **2 Questions**

**Q1)** **How to access custom attribute of particular object?**

1. **Syntax: object.custom.attribute name**

Example: To access Product object custom attribute **isnew** we need to specify like this

**Product.custom.isnew**

**Q2) How to access system attribute of System object?**

1. **Object name.attribute name**

**Example:**

To access Product object system attribute **display name** then the syntax should be

**Product.displayname**

1. How to pass attributes to template from controller? 1

**Q1) To display product information on a template how should we pass the product object from controller to template?**

1. var product = ProductMgr.getProduct(parameterId);

**ISML.renderTemplate('productfound', {myProduct:product});**

1. How to link one content asset from another? 1

**Q1)** **How to link terms-and-conditions content assest in another content assest?**

1. **$Url(“Page-Show”, “cid”, “terms-and-conditions”) $;**
2. How to use site import and export (remote include and local include) 1

**Q1) How to import configuration files into your site which are available in your local system?**

**Answer**:

1. **Select Local Include**
2. **Upload that file into your instance**
3. **Import into your site.**
4. **How to improve site front end performance?** 1

**Answer**:

1. **Compress CSS**
2. **Inline Javascript**
3. **Convert multiple images into single image**.
4. How to create log using script API?

**Q1) While implementing code I want to write debug level log to a log file how should I achieve that?**

1. **dw.system.Logger.getLogger(“category name”).** [**debug**](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_dw_system_Logger.html#dw_system_Logger_debug_String_Object_DetailAnchor)**(msg :** [**String**](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_TopLevel_String.html)**, args :** [**Object**](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_TopLevel_Object.html)**...)**
2. **Every Custom log file has 10MB limit and if that limit has been exceeded then what will happen?**
3. **Logging will be suspended until the next day (00:00) once the 10 MB limit has been reached.**
4. **What is the log file syntax if you create log file using the following syntax**

**dw.system.Logger.**[**getLogger**](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_dw_system_Logger.html#dw_system_Logger_getLogger_String_String_DetailAnchor)**(fileNamePrefix :** [**String**](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_TopLevel_String.html)**, category :** [**String**](http://127.0.0.1:50712/help/topic/jar:file:/C:/Users/manikanta.dhulipalla/eclipse-workspace/Mani_DigitalServer/.api/DWAPP-18.2-API-doc.zip!/scriptapi/html/api/class_TopLevel_String.html)**); ?**

**A) custom - <file name prefix> - <hostname> - appserver - <creation date of the file>**

1. Difference between product bundle and product set? 1

**Q1) There are three products in the catalogs which are already created and merchant want to sell the products with the unique id?**

1. **We have to create Product bundle form Product Module product bundle tab.**
2. How to create urls for accessing inventory resources from ocapi? 1

### [**/inventory/\*\***](https://api-explorer.commercecloud.salesforce.com/?url=https://demo-ocapi.demandware.net/s/-/dw/meta/v1/rest/data/v18_3#!/inventory_lists/deleteInventoryListsByIDProductInventoryRecordsByID)

1. Questions on Basic UX studio configurations. **2 questions**

**Q1) While creating a server connection form UX Studio what are the credentials we need to pass?**

**Answer:**

1. **BM User Name**
2. **BM Password**
3. **Hostname**

**Q2) Code is uploaded successfully to a target version directory successfully but we are unable to see code changes in the storefront so how should we troubleshoot this issue?**

**Answer:**

1. Target version directory and active version directory should be same.
2. Check whether Active server checked or not.
3. Check whether Auto upload checked or not.
4. We should give proper credentials while uploading code to server.
5. Cartridges must be checked which we want to upload to the server.
6. We have to check cache settings in **Administration->Sites->Manage sites-> Cache Tag**
7. **What should we do if quota is exceeded?**
8. **We have optimize the code**
9. **Questions on cartridge path. 3Questions**

**To answer questions on this concept you need to refer the following content**

In order for a site to use a cartridge, you must add the cartridge to the cartridge path in Business Manager. This is located in **Sites > Manage Sites > Site Genesis – Settings**.

When a call is made to a file, the Demandware server looks for the file starting with the first cartridge listed in the cartridge path. For instance, if a call is made to the productfound.isml file and that file

is located in two cartridges that are both in the cartridge path, the Demandware server uses the first one it finds.

1. Forms Framework ( Form Element, Form Classes and form definition file syntax)(InvalidateFormElement Method) **4 Questions**

**Q1) How do you create a new button for an already existing form?**

**Answer:**

1. **In xml form definition file we need to create <action> element.**

Example: To create a button with name submit

<action formid=”submit” valid-form=”true/false”/>

1. We have to create a button using html tags <input>/<buttion>

**Q2)** **What are the steps we need to take to make a button work which is newly created?**

**Answer:**

1. We have to create action element for that button in xml definition file
2. We have to display that button to user so we have to create a button in the isml template.
3. We have to implement functionality for that button in **handleAction()** function of the form.

**Q3) How do you display the error to the customer under the form field while he has given some invalid data?**

1. We have to use the following method in the code to display that error

**dw.web.FormElement.invalidateFormElement(“error Message”);**

**Q4) Which attribute we have to use in form xml definition file to bind form fields with object attributes?**

1. **Binding attribute**
2. Question on customer service center (Real time scenario). 1

**Q1) The order validation is failing when accessed from an external- custom service center, which uses OCAPI after perusing the reports –they identified that external system is not using the DW order validation technique. What is to be done?**

1. **Expose the DW function and call that through ocapi.**
2. How to create a content slot and how to configure it to store products? **2 Questions**

**Q1) How do we create content slot ?**

**Global slot example**

<isslot id=”header\_banner” description=”…” context=”global”/>

**Category slot example**

<isslot id=”category\_top\_featured” context=”category” description=”…”

context-object=”${pdict.ProductSearchResult.category}”/>

**Folder slot example:**

<isslot id="fldr-landing-slotbanner" context="folder" description="Large

Folder Landing Banner"

1. context-object="${pdict.ContentSearchResult.folder}"/>

**Q2) A content slot configuration has content asset as its content now merchant wants to replace that content asset with 5 products so how should we do that?**

**Answer:**

1. Replace the content type to product form content asset
2. Select rendering template
3. Difference between importPackage and require methods?

**Q) Which one is best in importPackage() and require() methods?**

**A) require() method**.

1. **Which template to be included to use custom tags in an ISML file?**
2. **<isinclude template="util/modules”/>**
3. **Merchant wants to show customer preference values throughout his shopping experience so merchant wants to store in a variable. So what is the scope of variable?**
4. **We have to create Session level variable.**
5. **What attribute in the inventory need to be selected in order to make product always available in the storefront?**
6. **Perpetual**
7. What is the functionality of guard.ensure() function?

**Q1) While exposing a function from controller how do you expose that function to ensure that it is always calling with post method and https protocol?**

1. **guard.ensure([‘http’,’post’], function name);**
2. **In order to send form data to a RESTful web service which wrapper class should be configured while creating service?**
3. **HTTP Client**
4. What is the use of localizable attribute and how to create it?

**Q1) For product object I have created one custom attribute in that attribute I want to store different values for different locales so how should we do that?**

1. **You have to make it localizable attribute.**
2. Explore getting started with OCAPI.
3. **A site has one master catalog with so many products and some products of master catalog are assigned to site catalog categories. Now I want to export all the products which are assigned to site catalog categories how should I achieve it?**
4. We have to export **site catalog** from **Merchant Tools -> Products and Catalogs -> Import and Export**
5. **Country code for the order placed has to be displayed whenever Order history page is visited. How can this be achieved?**
6. **Creating a custom attribute and saving the country code at Order object available in the users current session**.
7. **TO ensure scalability and performance which two are the best to use**

**Answer:**

**1.ProductSearchResults.searchhits();**

2. Category.products();

3. ProductMgr.getAllProducts();

**4.ProductSearchHits.getAllRepresentedProducts();**

1. **Merchant has added one custom attribute to product system object now merchant wants to make it as a searchable attribute so how should you achieve it?**

**Answer:**

1. **You have to make it as a searchable attribute through Merchant Tools-> Search -> Searchable Attributes.**
2. **You have to rebuild index either incrementally or manually.**
3. **If you want to access your products through iPhone which one do you use?**
4. **OCAPI Native Services**
5. **Developer has converted one pipeline into controller now he want to check the errors in the controller how should he do that?**
6. **We should configure script debug configuration.**
7. **We need to import data from external system by running job pipeline and if you consider performance which options should we choose?**

**A) 1. We should run job asynchronously**

**2. We should configure timeout for script**

**Additional Questions**

1. What are latest versions of Eclipse support to SFCC Studio?
2. **Mars**
3. **Neon**
4. Oxygen
5. Luna
6. What will get changed if Site Genesis get imported?
7. Master Catalog
8. Storefront Catalog
9. Custom Objects
10. **System Objects**
11. How to add debugger on Controller?
12. **Script Debugger**
13. There was a script on fetching payment instrument for Apple pay payment method. So question was to add debugging statement, if no instrument is available.

If (!instruments.length) {

//add appropriate logging message

}

1. **dw.system.Logger.getLogger("payment").debug("asdfsf {0}",http.statuscode);**
2. What will be name of log file name for following code? Provided configurations

Info is enabled for root category only.

Logger.getLogger(‘xyz’,’abc’).info(‘test message’);

1. **custom-xyz**
2. Xyz
3. Custom-blade
4. SB host name was provided and asked to create OCAPI URL for product resource?

GET http://hostname:port/dw/shop/v18\_8/products/{id}?expand={String}&inventory\_ids={String}&currency={String}&locale={String}&all\_images={Boolean}

1. From all which ways we can see files generated using custom logging?
2. Log Center
3. **Administration -> Admin-> Development Setup-> Log files**
4. **Using Webdav connecting path**
5. Request log toolkit
6. Var Logger = require(‘dw/system/Logger’);

Which will be correct? (Please check correctness of answer),

1. Logger.getlogger().debug(‘message’);
2. **Logger.getLogger(‘category’).debug(‘message’);**
3. Logger.debug(‘message’);
4. In multisite setup developer is added new controller myController.js in app\_newsite cartridge to override myController.js in existing cartridge app\_existingCartrige so what will be change in cartridge path?
5. app\_newsite will be after app\_existingCartridge
6. **app\_newsite will be before app\_existingCartridge**

1. Four screenshots were provided.

First screen was having sitegenesis code setup in Eclipse IDE.

Second screen was having change upload staging directory where target version directory and active code version directory was same.

Third screen was having sitegenesis cartridge path setup.

Fourth screen was having Project References with all the sitegenesis cartridges selected in it.

Which of these screens are incorrect?

1. **The screen with sitegenesis cartridge path was incorrect in order**
2. Business requirement is like they want a unique product id ‘A-B-C’ which will have three products say, A, B, C how it will achieve?
3. **Create a product with name ‘A-B-C’ and go to Bundle tab and three products a, b, c**
4. Create Product set
5. Go to Bundle module in Business Manager
6. There was an image with folder hierarchy

Template-> Default-> ABC-> abc.isml

Which will be correct?

1. ISML.renderTemplate(‘Default/ABC/abc.isml’);
2. ISML.renderTemplate(‘Templates/Default/ABC/abc.isml’)
3. **ISML.renderTemplate(‘ABC/abc.isml’)**
4. ISML.renderTemplate(‘abc.isml’)

1. Business requirement is to remove Discover card from list, so from where we can do this setting?
2. cartJson.js
3. **From BM-> Merchantool> Ordering->Payment Methods-> Credit Cards/Debit Cars**
4. Universal Container(UC) wants to implement a questionnaire on Staging instance where the responses should be stored into custom object. Later, they want this to be pushed to the Production environment. What should be the type of custom object which can fulfill this requirement?
5. **Set of String and the custom object should be non-replicable**
6. Universal Container(UC) wants to save the choices of product in productlineitem level custom attribute. The customer should select one choice from the list of choices available on the PDP. What type of product line item level custom attribute should be created?
7. **String**
8. Set of String
9. Enum of String
10. Text
11. Sample OCAPI configuration was provided as given below:

{

"resource\_id":"/baskets",

"methods":["post"],

"read\_attributes":"(\*\*)",

"write\_attributes":"(\*\*)"

}

What should be updated in this configuration so that it will help us add an item to the basket?

1. **"resource\_id":"/baskets/\*/items"**
2. What should be corrected in below OCAPI call to fetch product information based on product id?

POST http://hostname:port/dw/shop/v18\_8/products/{id}?client\_id=aaaaa...

1. **Replace POST with GET**
2. What are the different ways to pass client\_id in every API request?
3. You can pass a token in the Authorization:Bearer *token* header:

GET https://example.com/dw/shop/v18\_8/baskets HTTP/1.1

Authorization:Bearer *token*

For JWT, the client ID is embedded within the token payload as the 'issuer' claim. For OAuth, the client ID is resolved from the Account Manager using the token.

1. You can pass a client ID in the client\_id request parameter:

GET https://example.com/dw/shop/v18\_8/products/123456?client\_id=aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

1. You can pass a client ID in the x-dw-client-id HTTP header:

GET https://example.com/dw/shop/v18\_8/products/123456

x-dw-client-id:aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

Tokens have the highest precedence, followed by request parameters, followed by HTTP headers.

1. How to call a pipeline from controller?

let Pipeline = require('dw/system/Pipeline');

let pdict = Pipeline.execute('MyPipeline-Start', {

MyArgString: 'someStringValue',

MyArgNumber: 12345,

MyArgBoolean: true

});

let result = pdict.MyReturnValue;

1. How to call a pipelet from controller?

var Pipelet = require('dw/system/Pipelet');

var params = request.httpParameterMap;

var SearchRedirectURLResult = new dw.system.Pipelet('SearchRedirectURL').execute({

SearchPhrase: params.q.value

});

if (SearchRedirectURLResult.result === PIPELET\_NEXT) {

return {

error: false

};

}

if (SearchRedirectURLResult.result === PIPELET\_ERROR) {

return {

error: true

};

}