



Commerce Cloud Sandbox Setup and UX Studio Installation

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Introduction

The pre-work listed here is required prior to attending the Salesforce Commerce Cloud (SFCC) Digital Fast Path workshop. It can also be used by anyone getting started with SFCC Digital programming. In this exercise, you will install UX Studio, an Eclipse plugin that is your development environment. You will connect UX Studio to a remote SFCC sandbox instance which was assigned to you by your company or by your instructor.

Without this pre-work, you won't be able to attend the Fast Path course.

If you have questions regarding the completion of these steps or for more information, please refer to these documentation links (also bookmark them):

Getting Started for Developers:

<https://documentation.demandware.com/DOC2/topic/com.demandware.dochelp/SiteDevelopment/GettingStartedforDevelopers.html#D3289>

UX Studio Download: <https://xchange.demandware.com/docs/DOC-1936>

UX Studio Update Site URLs: <https://xchange.demandware.com/docs/DOC-41220>

File System Locations Used

| Files | Location example | Notes |
|---------------------|--|--|
| UXStudio Workspace | <your_chosen_dir>/CCProjects/workspaces/fastpath | Contains server connection project .metadata (plug-in subdirectories) |
| Project Root Folder | <your_chosen_dir>/CCProjects/fastpath | Contains all cartridges used for development |
| Custom Cartridges | <your_chosen_dir>/CCProjects/fastpath/cartridges | Storefront and solution cartridges. |

Step 1: Import the SiteGenesis Site into Your Sandbox

| | |
|-----------------|---|
| Goals | Import the SiteGenesis demo site in Business Manager. |
| Scenario | A site needs to be created in Business Manager before you can work with it. Importing the SiteGenesis site into your sandbox installs a demonstration site that you can view, modify, and use as a basis for your eCommerce site. |
| Time | 15 minutes |

Instructions

1. Login to Business Manager using the sandbox URL and login provided to you: **https://<your_sb_url>/on/demandware.store/Sites-Site** where the URL varies depending upon the realm your SB is located.
2. Navigate to **Administration > Site Development > Site Import & Export**.
3. Select the **SiteGenesis Demo Site** radio button, and click the **Import** button.
4. Click **Ok** on the prompt to import the SiteGenesis Demo Site:

[Administration](#) > [Site Development](#) > Site Import & Export

Site Import & Export

This page allows you to export the current configuration of your organization including all of its sites. To download an archive, just click its file name.

Import

Are you sure that you want to import the SiteGenesis Demo Site? OK Cancel

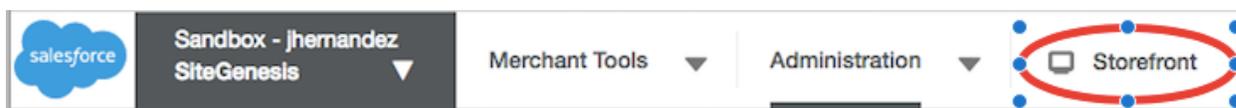
Upload Archive:
 Local Remote

No file chosen

| Select | Name ▲ | Location | File Size | Last Modified |
|-----------------------|-----------------------|----------|-----------|---------------|
| <input type="radio"/> | SiteGenesis Demo Site | | | |

Import Delete

5. Verify that the SiteGenesis site has imported correctly: on the Status area, the status **Running** will change to **Success** after several minutes:
6. You can now view the SiteGenesis site that you imported: on the upper-left corner of Business Manager, select the **SiteGenesis** site, then click on the **Storefront** link on the same row:



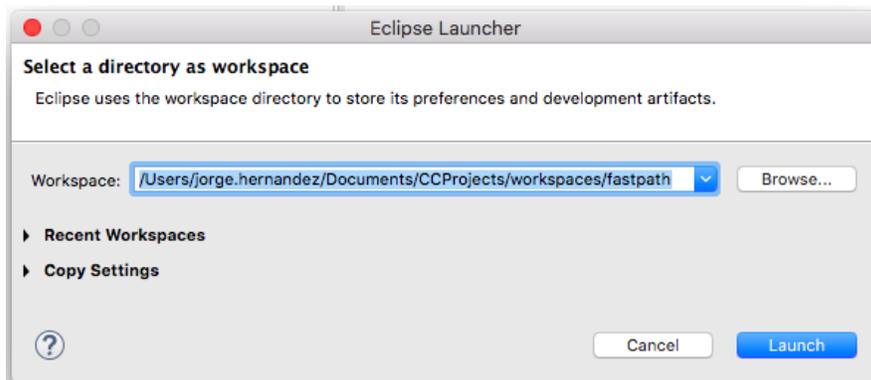
7. Navigate the SiteGenesis site as you would any other eCommerce site.

Step 2: Download and Install the UX Studio Plugin

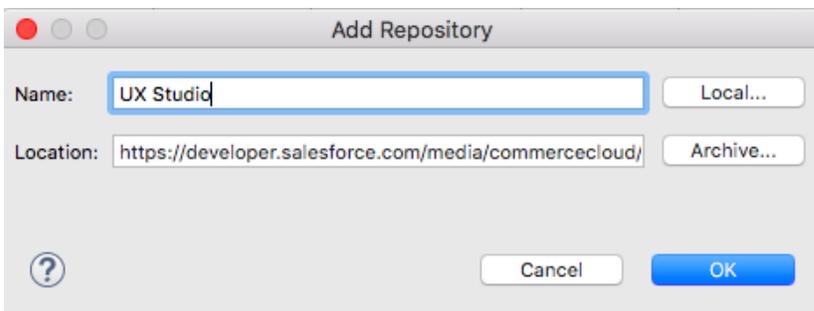
| | |
|-----------------|--|
| Goals | Install the UX Studio plugin inside Eclipse |
| Scenario | Developers use UX Studio to write code for Commerce Cloud sites. UX Studio is installed as a plugin for Eclipse. You must first install Eclipse and then open it and install the UX Studio plugin. |
| Time | 20 minutes |

Instructions

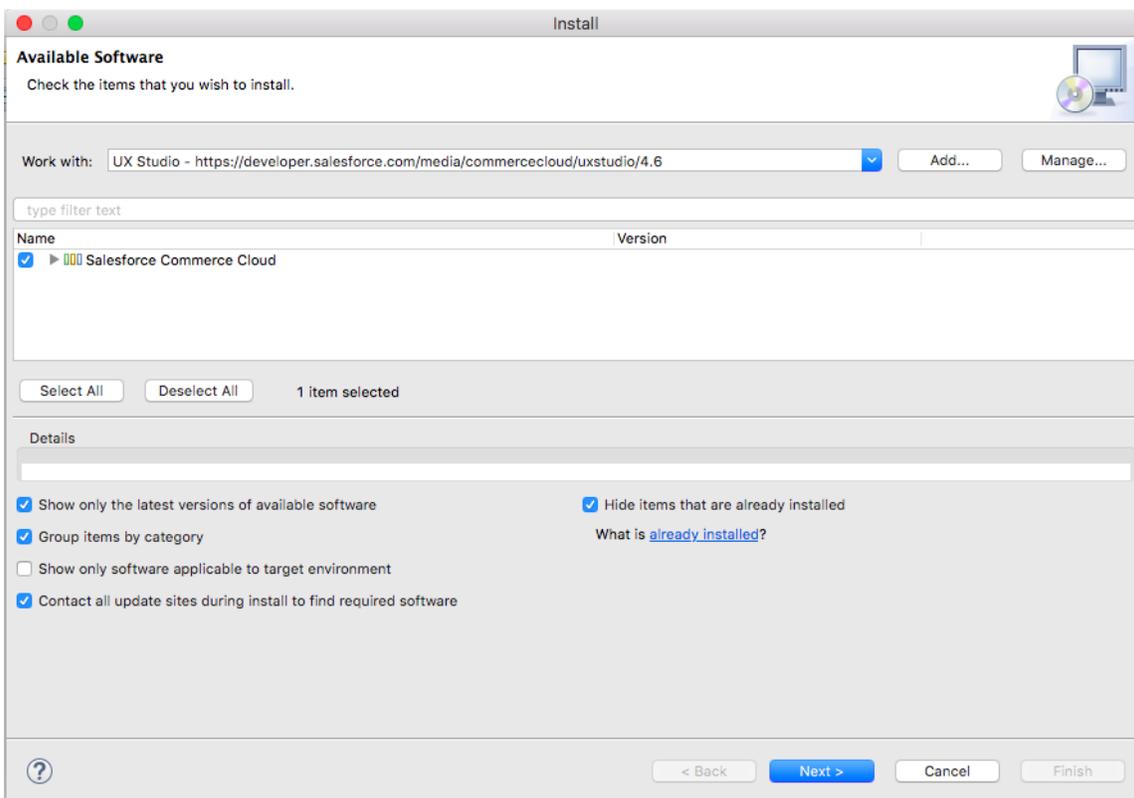
- Download and install Eclipse as described in the following page, steps 1 through 3:
https://documentation.demandware.com/DOC2/topic/com.demandware.doc_help/SiteDevelopment/InstallingDemandwareUXStudio.html?cp=0_1_5_1. If you already installed Eclipse, you can continue.
- The first time you launch Eclipse, it will ask for a workspace to store settings. Enter `<your_chosen_dir>/CCProjects/workspaces/fastpath`, and click **Launch**:



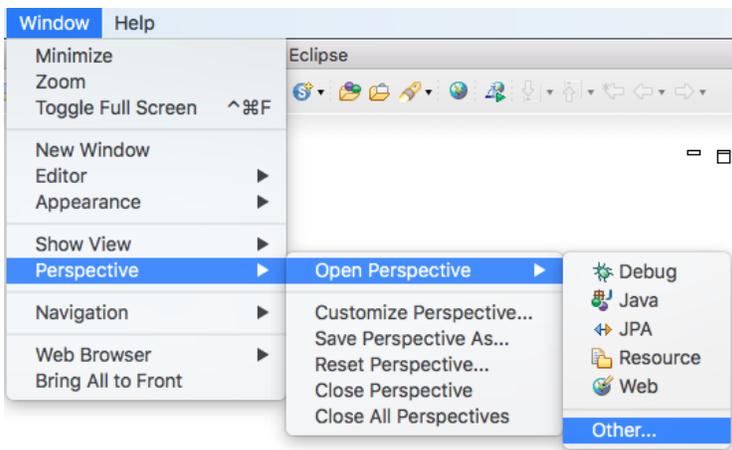
- In Eclipse, select **Help > Install New Software...**
- Click **Add...**
- Enter UX Studio in the Name fields, and <https://developer.salesforce.com/media/commercecloud/uxstudio/4.6> in the Location field:



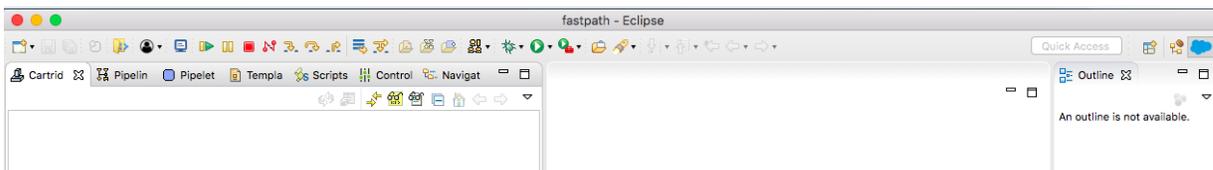
6. Click **OK** to save this repository.
7. Select the **Salesforce Commerce Cloud** checkbox, and click **Next** to install the UX Studio plugin:



8. Continue the installation by accepting the terms of use, and restart Eclipse.
9. To verify that UX Studio has installed correctly, navigate to:



10. Select the **Digital Development** option. This changes the workspace to the Digital Development perspective, as seen below:



Step 3: Connect UX Studio to Your Sandbox

| | |
|-----------------|--|
| Goals | Create a Digital Server Connection project to your sandbox. |
| Scenario | Initially, your workspace will be empty. You need to create a connection to your sandbox in order to be able to upload code to it. |
| Time | 15 minutes |

Instructions

1. From within UX Studio, click **File > New > Digital Server Connection**.

Result: The **New Digital Server Connection** dialog appears.

2. In the **Project name** and **Host name** fields, use the sandbox host name. For example, if the sandbox URL is <https://jhernandez-inside-na06-dw.demandware.net/on/demandware.store/Sites-Site>, you would use the hostname **jhernandez-inside-na06-dw.demandware.net**.
3. Keep the **Use default location** checked. This is the workspace you created.
4. Enter the **User name** and **Password** (passwords are case-sensitive) that were provided by the person who assigned you a sandbox.

New Digital Server Connection
Create a new connection to a Digital Server.

Project name:

Use default location

Location:

Choose file system:

Connection Settings

Host name:

User name:

Password:

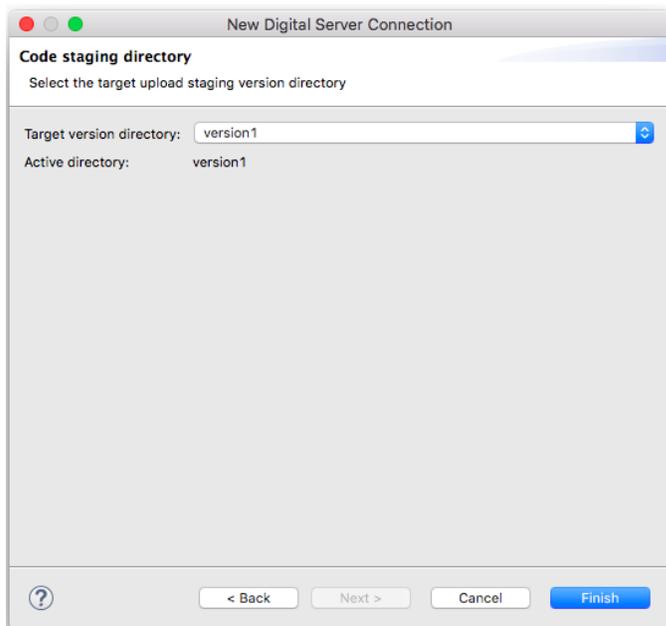
Use Certificate Authentication

Keystore File:

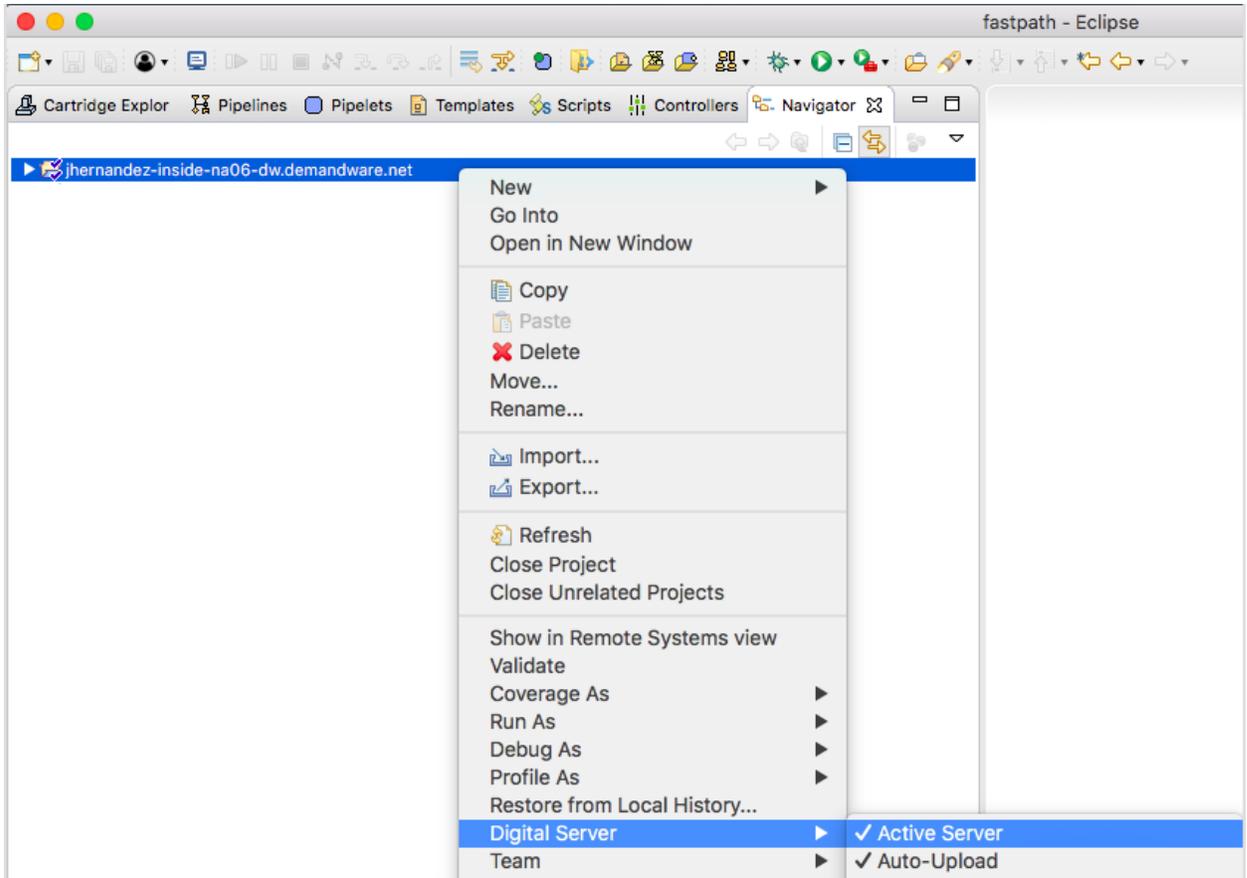
Keystore Password:

Note: If you changed the user's password within Business Manager, you will need to change it for this server connection as well.

5. Click **Next >**.
6. In the following screen, select **version1** from the dropdown:



7. Click **Finish**.
8. To verify your steps:
 - a. Switch to Eclipse
 - b. Open the Navigator tag: a server connection to your sandbox exists
 - c. Right-click the connection: **Active Server** and **Auto-Upload** are checked



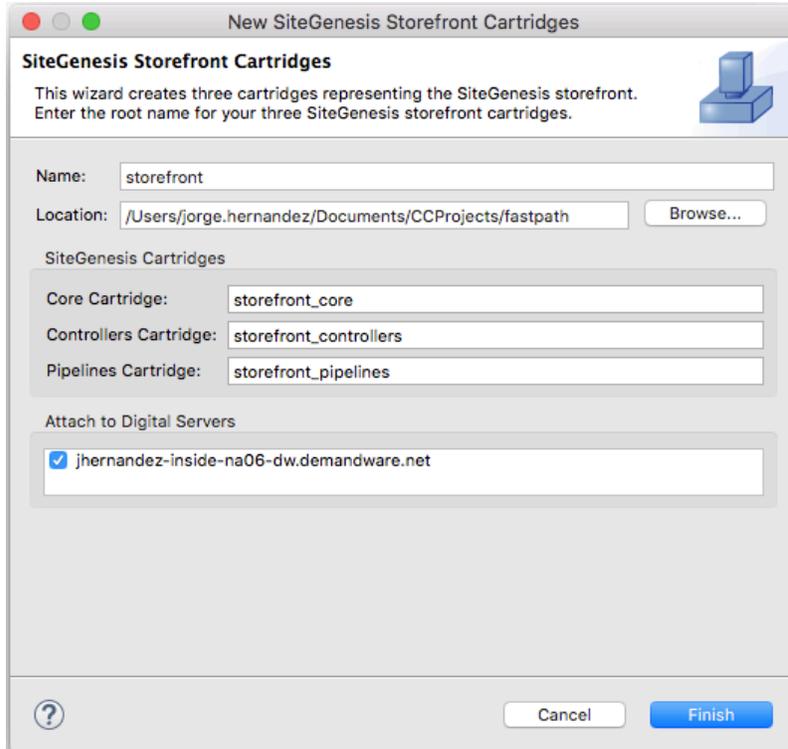
Step 4: Download the SiteGenesis Storefront Cartridges

| | |
|-----------------|--|
| Goals | Download the SiteGenesis Storefront cartridges and upload them to your sandbox. |
| Scenario | The SiteGenesis sites works with default cartridges that were installed automatically. You download that code into your file system so you can modify, and upload new code to your site. |
| Time | 10 minutes |

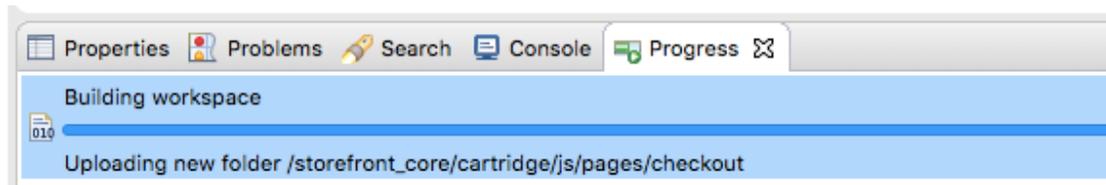
Instructions

In your file system, create a new **fastpath** folder inside the <your_chosen_dir>\CCProjects folder that you created before. This will be the location for the projects in this Fast Path program.

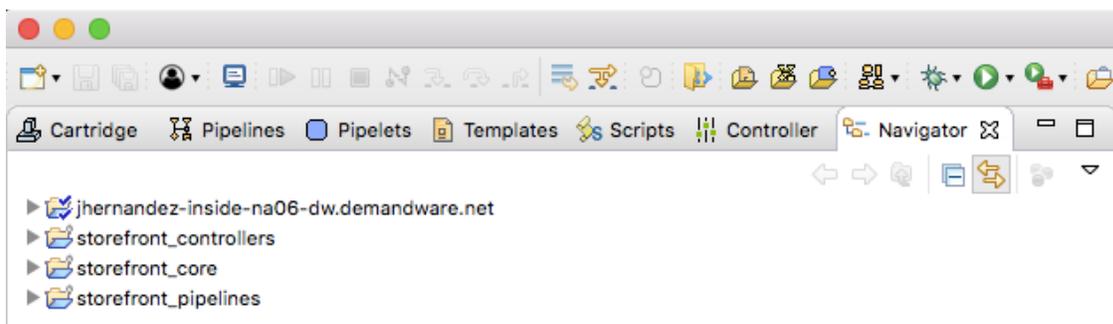
1. Open Eclipse.
2. Select the **fastpath** workspace.
3. Select **File > New > SiteGenesis Storefront**
4. Complete the **New Site Genesis StoreFront Cartridge** dialog as follows:
 - a. Name: **storefront**. This is the prefix for your cartridges. Use any prefix you like.
 - b. Location: use the full path to the **fastpath** directory you created.
 - c. Attach to Digital Servers: select the **checkbox** next to the sandbox hostname provided in step 3.
 - d. See the following image to make sure all entries are correct:



5. Click **Finish**.
6. Open the **Progress** tab to see a slider indicating that cartridges are being uploaded:



7. To verify that the cartridges were created, check the Navigator tab. You will see 3 new cartridges below the connection project:



8. In your sandbox, you can verify the uploaded cartridges:
 - a. Navigate to **Administration > Site Development > Code Deployment**.
 - b. Click **version1**.
 - c. Check that the cartridges present are: **storefront_core**, **storefront_controllers** and **storefront_pipelines**
9. If the cartridges are not present, you need to make sure the uploading process from Step 4.6 is finished.

Step 5: Check the Cartridge Path

| | |
|-----------------|--|
| Goals | Check that the SiteGenesis site is using the uploaded cartridges. |
| Scenario | After you have uploaded the storefront cartridges to your sandbox, you must check the site’s cartridge path in Business Manager. Any code modified in the cartridges will affect the site. |
| Time | 5 minutes |

Instructions

1. Open Business Manager.
2. Click **Administration > Sites > Manage Sites > SiteGenesis**.
3. Click the **Settings** tab.
4. Look at the **Cartridges** field: it contains the default cartridges that get automatically installed when you created the SiteGenesis site in Step 1:

SiteGenesis - Settings

Click **Apply** to save the details. Click **Reset** to revert to the last saved state.

| | |
|---|--|
| Instance Type: | Sandbox/Development |
| <small>Deprecated. The preferred way of configuring HTTP and HTTPS hostnames is by using new features of the site aliases configuration ("Site URLs/Aliases Configuration"). The HTTP/HTTPS hostnames values set in this section w aliases configuration and are intended only to support an older configuration style.</small> | |
| HTTP Hostname: | <input type="text"/> |
| HTTPS Hostname: | <input type="text"/> |
| Instance Type: | All |
| Cartridges: | sitegenesis_storefront_controllers:sitegenesis_storefront_core |
| Effective Cartridge Path: | sitegenesis_storefront_controllers:sitegenesis_storefront_core:plugin_apple_pay:plugin_facebook:plugin_pinterest_commerce:plugin_web_payments:core |

5. Change the cartridge path to specify the cartridges you uploaded from UX Studio into your sandbox, using “:” as a separator:
storefront_controllers:storefront_core
6. Check that they appear as follows:

[Administration](#) > [Sites](#) > [Manage Sites](#) > SiteGenesis - Settings

General **Settings** Cache Site Status

SiteGenesis - Settings

Click **Apply** to save the details. Click **Reset** to revert to the last saved state.

| | |
|---|--|
| Instance Type: | Sandbox/Development ▾ |
| <small>Deprecated. The preferred way of configuring HTTP and HTTPS hostnames is by using new features of the site aliases configuration (*Site URLs/Al configuration and are intended only to support an older configuration style.</small> | |
| HTTP Hostname: | <input type="text"/> |
| HTTPS Hostname: | <input type="text"/> |
| Instance Type: All | |
| Cartridges: | storefront_controllers:storefront_core |

7. Click **Apply**.

Result: The **SiteGenesis** site will now use the cartridges you uploaded, not the default ones that came as part of the SiteGenesis installation.

Step 6: Disable Caching and Making the Site Online

| | |
|-----------------|---|
| Goals | Disable cache and make the site ready to be online. |
| Scenario | To ensure code changes are reflected immediately in your storefront, page caching needs to be disabled in your sandbox. Also, making the site online without a password makes testing easier. |
| Time | 2 minutes |

Instructions

1. Open Commerce Cloud Business Manager.
2. Click **Administration > Sites > Manage Sites > SiteGenesis**.
3. Click the **Cache** tab.
4. Set **Time to Live (TTL)** to 0.
5. Uncheck the **Enable Page Caching** checkbox:

Instance Type: Sandbox/Development

Static Content and Page Caches

The field Time to Live (TTL) of Static Content defines the time span in seconds static files set this field to 0. For Production instances the configured time

Time to Live (TTL) of Static Content: 0

Page Cache Only

Check the Enable Page Caching checkbox to allow the web server to cache

Enable Page Caching

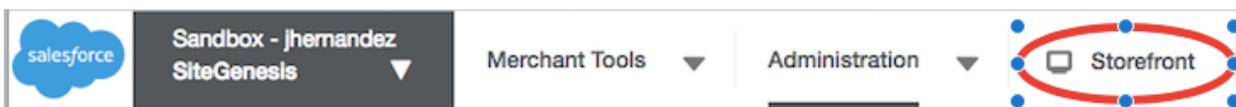
6. Click **Apply**.
7. Click **Invalidate** under the **Static Content and Page Caches** section.
8. Click the **Site Status** tab.
9. Check the different options.
10. Select **Online** as the site status.
11. Click **Apply**.

Step 7: View Products in the Storefront

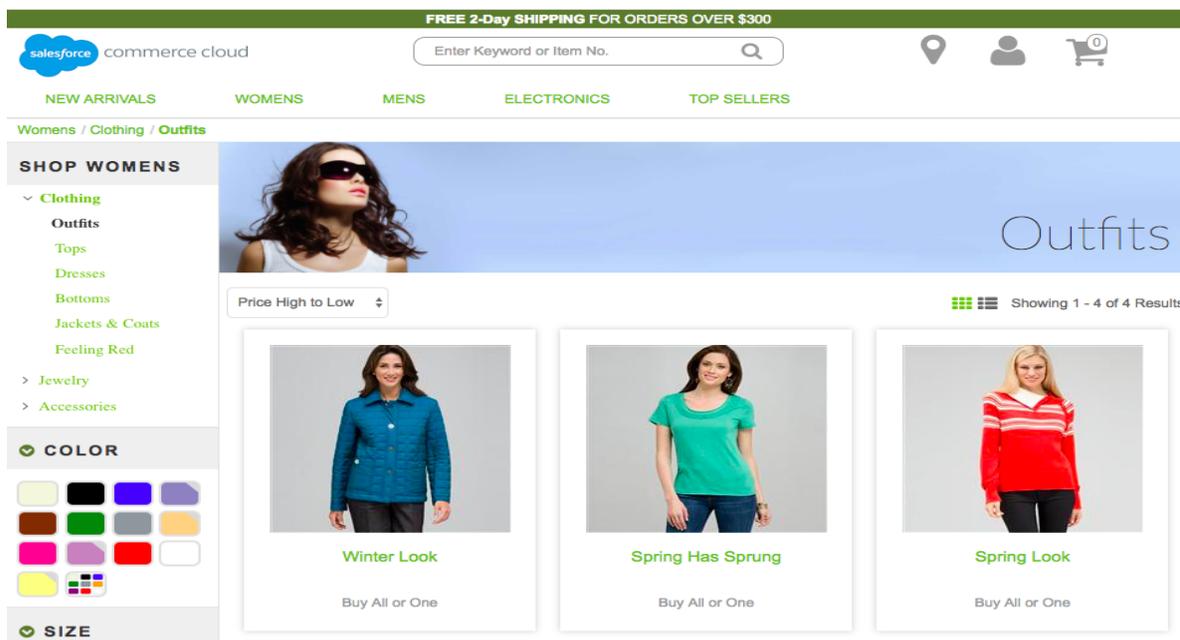
| | |
|-----------------|---|
| Goals | Confirm your site is ready for development by viewing products in the storefront. |
| Scenario | After uploading your cartridges, your site is ready for development. |
| Time | 2 minutes |

Instructions

1. In Business Manager, select the **SiteGenesis** site, then click on the **Storefront** link on the same row:



2. The **SiteGenesis** site opens in a new tab.
3. Bookmark this page: it is the homepage of the site.
4. Click on the **Womens > Clothing > Outfits** category: the site should work as before:



Congratulations! You have now finished installing UX Studio and setting up your sandbox. You are now ready to start the Fast Path to Commerce Cloud Certification.