

Extend Sitecore Commerce Engine

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Sitecore Meetup Cluj Napoca,
May 2019

About me

Freelancer Solution Architect

Sitecore Technology MVP (2014-2016)

Sitecorian (2016-2018)

Sitecore Commerce MVP (2019)

Sitecore Stackexchange Addicted (<https://sitecore.stackexchange.com/>)

Blog: <https://sitecoreclimber.wordpress.com>

Twitter: <https://twitter.com/SitecoreClimber>

Agenda

History of Sitecore Commerce

Commerce Installation

Business Tools Overview

Commerce Views service Architecture

Extend Commerce with Plugins (when it runs my custom minions, show my environment configurations)

Demo

Sitecore Commerce History

Sitecore has a long history on Commerce:

- Sitecore E-Commerce Fundamental Edition 1.1
- Sitecore SES (Sitecore E-Commerce Services)
- Sitecore Commerce Server acquired in 2014 (Previously known as Microsoft Commerce Server-first release was in 1996)
- Sitecore Commerce powered by Commerce Server
- Sitecore Commerce powered by Microsoft Dynamics
- Sitecore Commerce 8.2.1 (April 2017)
- Sitecore Commerce 9 (January 2018)

Other commerce modules:

- UCommerce for Sitecore
- ActiveCommerce
- Sitecore Insite

Be prepared for



Installation guide

It took me 4 hours to install XC 9.1.



Installation guide

Installation is made using SIF, is the most complex Sitecore installation.

Default scripts install SXA for Commerce (accelerator for Commerce).

In XC 9.1 you can skip tasks related to SXA for Commerce.

Installation Guide:

- For On-Premises -

[http://commercesdn.sitecore.net/SitecoreXC_9.0/Installation-Guide/Sitecore-XC-9.0_Installation_Guide\(On-Prem\).pdf](http://commercesdn.sitecore.net/SitecoreXC_9.0/Installation-Guide/Sitecore-XC-9.0_Installation_Guide(On-Prem).pdf)

- for Azure App Service -

[http://commercesdn.sitecore.net/SitecoreXC_9.0/Installation-Guide/Sitecore-XC-9.0_Installation_Guide\(Cloud\).pdf](http://commercesdn.sitecore.net/SitecoreXC_9.0/Installation-Guide/Sitecore-XC-9.0_Installation_Guide(Cloud).pdf)

Scripts for scaled environment:

- <https://github.com/asmagin/sitecore-installation-scripts>
- https://community.sitecore.net/technical_blogs/b/the_commerce_experience/posts/commerce-scaled-deployment-guidance

READ PRE REQUIREMENTS VERY CAREFULLY

Sitecore Commerce SSL Certificates

A range of certificates are generated during the install process

1. Commerce Engine IIS websites is an **SSL server certificate**
2. Identity Server Certificate: **a code signing certificate** and is used by Sitecore Identity Server to sign and validate identity
3. Sitecore Commerce Engine Connect Certificate: is a **SSL client certificate** required to authenticate clients to Commerce Engine using certificate authentication.

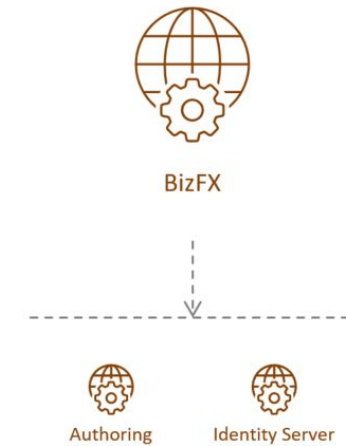
PAY ATTENTION TO CERTIFICATES

<https://sitecore dude.com/the-dudes-guide-to-certificates-in-sitecore-experience-commerce-9/>

In XC 9.1 I didn't have to create any commerce certificate.

Business Tools

- single page application built in Angular
- hosted as a separated website in IIS or an Azure App
- user authentication is provided by Identity Server



Business Tools

Sitecore XC Business Tools provide six key e-commerce features:

Catalog and sellable item management

Inventory management

Customer management

Order management

Promotion management

Pricing management

Business Tools Overview

Commerce

Merchandising

Inventory

Pricing

Promotions

Orders

Customers

Relationship Definitions

Composer

My Minions

Admin

Sitecore Experience Commerce

COMMERCE

HabitatAuthoring

GetEnvironmentsView

GetLanguagesView

Language displayed
English: English

Merchandising

Inventory

Pricing

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Relationship Definitions

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GetNavigationView

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Elements

Console

Sources

Network

Performance

Memory

Application

Security

Audits

Adblock Plus

EditThisCookie

View:

Group by frame

Preserve log

Disable cache

Offline

Online

Filter

Hide data URLs

All

XHR

JS

CSS

Img

Media

Font

Doc

WS

Manifest

Other

100 ms

200 ms

300 ms

400 ms

500 ms

600 ms

700 ms

800 ms

900 ms

1000 ms

1100 ms

1200 ms

1300 ms

1400 ms

1500 ms

1600 ms

1700 ms

1800 ms

1900 ms

2000 ms

2100 ms

2200 ms

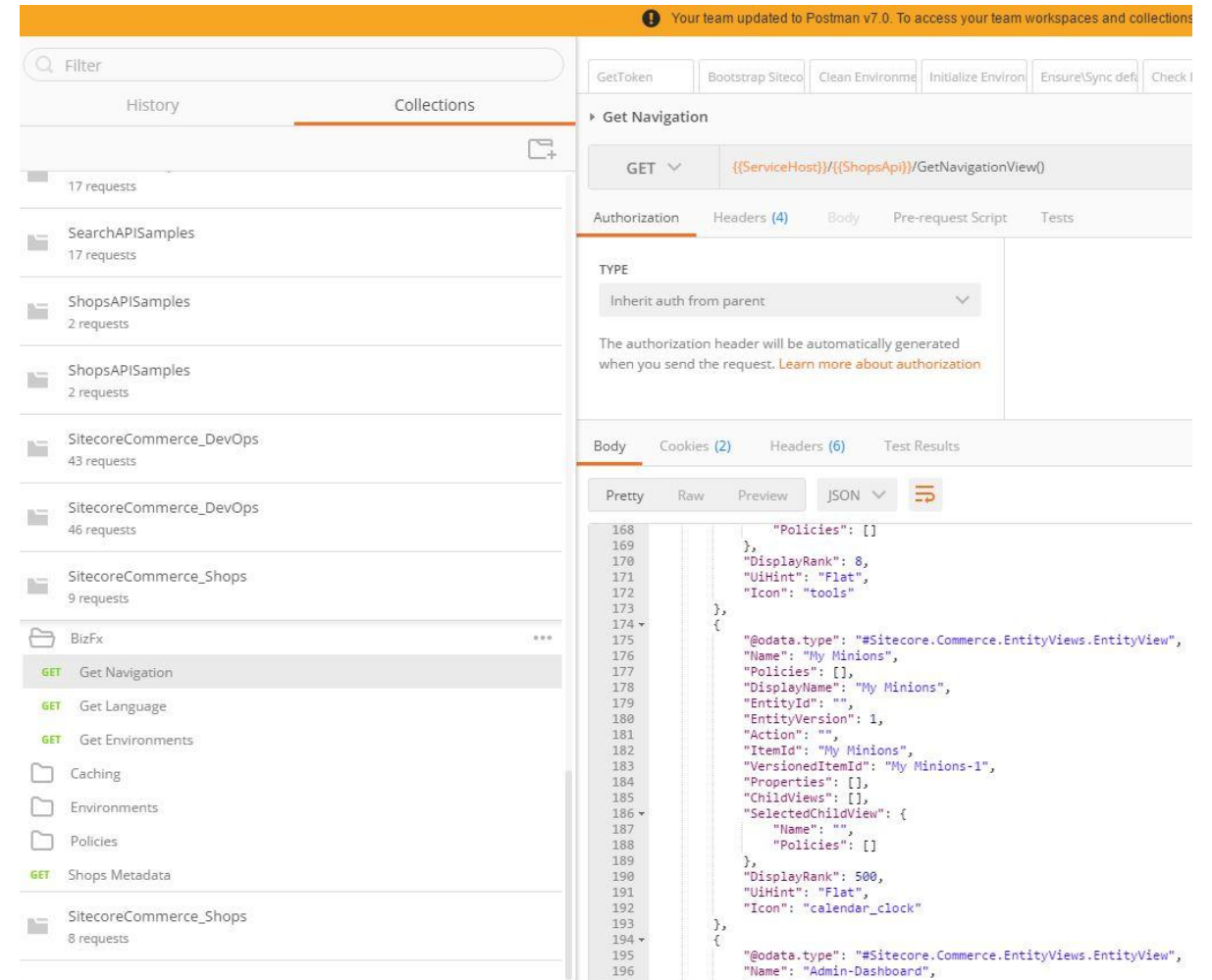
2300 ms

2400 ms

2500 ms

Name	Status	Type	Initiator	Size	Time	Waterfall
GetNavigationView()	200	xhr	(index)	5.3 KB	441 ms	
GetNavigationView()	200	xhr	(index)	5.3 KB	870 ms	
GetEnvironmentsView()	200	xhr	(index)	6.3 KB	354 ms	
GetLanguagesView()	200	xhr	(index)	4.3 KB	290 ms	
favicon.ico	200	x-icon	Other	30.3 KB	48 ms	

Postman scripts to test Bizfx api.



What is behind api calls from Commerce authoring?

```
namespace Sitecore.Commerce.Plugin.BusinessUsers
{
    public class ApiController : CommerceController
    {
        public ApiController(IServiceProvider serviceProvider, CommerceEnvironment globalEnvironment)
            : base(serviceProvider, globalEnvironment)
        {
        }

        [EnableQuery]
        [HttpGet]
        [Route("api/GetNavigationView")]
        public async Task<IActionResult> GetNavigationView()
        {
            ApiController apiController = this;
            if (!apiController.ModelState.IsValid)
            {
                return (IActionResult) new BadRequestObjectResult(apiController.ModelState);
            }
            EntityView entityView = await apiController.Command<BizFxNavigationViewCommand>().Process(apiController.CurrentContext);
            return entityView == null ? (IActionResult) new BadRequestObjectResult(apiController.ModelState) : (IActionResult) new ObjectResult((object) entityView);
        }

        [EnableQuery]
        [HttpGet]
        [Route("api/GetEnvironmentsView")]
        public async Task<IActionResult> GetEnvironmentsView()
        {
            ApiController apiController = this;
            if (!apiController.ModelState.IsValid)
            {
                return (IActionResult) new BadRequestObjectResult(apiController.ModelState);
            }
            EntityView entityView = await apiController.Command<BizFxEnvironmentsCommand>().Process(apiController.CurrentContext);
            return entityView == null ? (IActionResult) new BadRequestObjectResult(apiController.ModelState) : (IActionResult) new ObjectResult((object) entityView);
        }

        [EnableQuery]
        [HttpGet]
        [Route("api/GetLanguagesView")]
        public async Task<IActionResult> GetLanguagesView()
        {
            ApiController apiController = this;
            if (!apiController.ModelState.IsValid)
            {
                return (IActionResult) new BadRequestObjectResult(apiController.ModelState);
            }
            EntityView entityView = await apiController.Command<BizFxLanguagesCommand>().Process(apiController.CurrentContext);
            return entityView == null ? (IActionResult) new BadRequestObjectResult(apiController.ModelState) : (IActionResult) new ObjectResult((object) entityView);
        }
    }
}
```

How to extend Commerce Bussiness Tool

The screenshot displays the Sitecore Experience Commerce interface. On the left is a dark sidebar with a home icon and a 'Commerce' menu. The main content area has a red header with 'Sitecore Experience Commerce' and a 'COMMERCE' sub-header. Below the header is a dropdown menu showing 'HabitatAuthoring'. In the top right corner, there is a 'Log out' link and a 'Language displayed' dropdown set to 'English: English'. The main dashboard area contains a row of nine icons with labels: Merchandising (storefront icon), Inventory (stack of boxes icon), Pricing (money bag icon), Promotions (shopping cart icon), Orders (shopping basket icon), Customers (person icon), Relationship Definitions (link icon), Composer (wrench and hammer icon), and My Minions (calendar icon). Below the Merchandising icon is a warning triangle icon labeled 'Admin'.

Home

Log out

Commerce

Sitecore Experience Commerce

COMMERCE

HabitatAuthoring

Language displayed
English: English

Merchandising

Inventory

Pricing

Promotions

Orders

Customers

Relationship Definitions

Composer

My Minions

Admin

Commerce Views service Architecture

The Commerce Views service is provided by the Sitecore.Commerce.Plugin.Views plugin.

Sitecore.Commerce.Plugin.Views provides a data-driven mechanism for servicing a dynamic business experience.

In the Sitecore XC architecture, this view layer is provided on the server side, instead of the client side. This allows standard Commerce plugins to extend existing views and add new views.

Entity Views

- The EntityView is the core Commerce artifact that supports views.
- The EntityView provides a business user experience that is completely customizable and extensible.
- The EntityView is a simple POCO class that provides a property bag.
- The EntityView can have child EntityViews. You can build out more complex views as needed.

Composite EntityViews

The Composite EntityView represents how that page is organized and what actions are available so that the user interface can simply render the view to form a usable, extensible page without having any custom logic.

A Composite EntityView includes a master view and child views.

Back

HabitatAuthoring

Language displayed
English: English

WakeupInterval	ListToWatch	FullyQualifiedName	ItemsPerBatch	SleepBetweenBatches	Entities
		Sitecore.Commerce.Core.NodeHeartBeatMinion; Sitecore.Commerce.Core	10	500	

ListNamePolicy

GlobalOrderPolicy

OnHoldOrdersPolicy

CancelOrdersPolicy

GlobalInventoryPolicy

CheckStockLevel	SubtractStockOnOrder	DefaultAllocationDateAvailable	MaxInventorySetLength
true	true	1/1/01	50

GlobalCurrencyPolicy

DefaultCurrencySet
0F65742E-317F-44B0-A4DE-EBF06209E8EE

How to add a new navigation dashboard

The screenshot displays the Sitecore Experience Commerce dashboard interface. On the left is a dark sidebar with a home icon and a 'Commerce' menu. The main header is red with the text 'Sitecore Experience Commerce' and a 'Log out' link. Below the header, there's a dropdown menu set to 'HabitatAuthoring' and a 'Language displayed' dropdown set to 'English: English'. The dashboard area contains a grid of icons for various functions: Merchandising (storefront), Inventory (stack of boxes), Pricing (money bag), Promotions (shopping cart), Orders (shopping basket), Customers (person), Relationship Definitions (link), Composer (wrench and hammer), and My Minions (calendar with clock). Below these, an 'Admin' icon (warning triangle) is shown. An orange question mark and the text 'new dashboard' are placed next to the Admin icon. The text 'Admin dashboard' is written in orange below the Admin icon. The text 'My minions dashboard' is written in orange to the right of the My Minions icon.

Sitecore Experience Commerce

COMMERCE

HabitatAuthoring

Language displayed
English: English

Merchandising

Inventory

Pricing

Promotions

Orders

Customers

Relationship Definitions

Composer

My Minions

Admin

Admin dashboard

new dashboard

My minions dashboard

How to add a new navigation dashboard

Add a class which inherits from PipelineBlock:

```
[PipelineDisplayName("EnsureNavigationView")]
3 references
public class EnsureNavigationView : PipelineBlock<EntityView, EntityView, CommercePipelineExecutionContext>
{
    private readonly CommerceCommander _commerceCommander;

    0 references
    public EnsureNavigationView(CommerceCommander commerceCommander)
    {
        this._commerceCommander = commerceCommander;
    }

    0 references
    public override async Task<EntityView> Run(EntityView entityView, CommercePipelineExecutionContext context)
    {
        Condition.Requires(entityView).NotNull($"{this.Name}: The argument cannot be null");
    }
}
```

How to add a new navigation dashboard

Override Run method :

```
public override async Task<EntityView> Run(EntityView entityView, CommercePipelineExecutionContext context)
{
    Condition.Requires(entityView).NotNull($"{this.Name}: The argument cannot be null");

    if (entityView.Name != "ToolsNavigation")
    {
        return entityView;
    }

    var businessUser = await this._commerceCommander.Command<BusinessUserCommander>().CurrentBusinessUser(context.CommerceContext);

    var reviewsView = new EntityView
    {
        Name = "Reviews2-Dashboard",
        DisplayName = "Reviews2",
        UiHint = "extension",
        Icon = "castle",
        ItemId = "Reviews2-Dashboard"
    };
    entityView.ChildViews.Add(reviewsView);

    return entityView;
}
```

Register you pipeline

```
public class ConfigureSitecore : IConfigureSitecore
{
    /// <summary>
    /// The configure services.
    /// </summary>
    /// <param name="services">
    /// The services.
    /// </param>
    0 references
    public void ConfigureServices(IServiceCollection services)
    {
        var assembly = Assembly.GetExecutingAssembly();
        services.RegisterAllPipelineBlocks(assembly);

        services.Sitecore().Pipelines(config => config
            .ConfigurePipeline<IBizFxNavigationPipeline>(d =>
            {
                d.Add<EnsureNavigationView>().Add<NewEnsureNavigationView>();
            })
            .ConfigurePipeline<IGetEntityViewPipeline>(d =>
            {
                d.Add<Dashboard>().Before<IFormatEntityViewPipeline>()
                    .Add<EntityViewEnvironment>().Before<IFormatEntityViewPipeline>();
            }));

        services.RegisterAllCommands(assembly);
    }
}
```

Do not repeat yourself

Do you like to write same code multiple times?

```
var newEntityView = new EntityView
{
    Name = "My Minions",
    DisplayName = "My Minions",
    Icon = "calendar_clock",
    ItemId = "My Minions"
};

entityView.ChildViews.Add(newEntityView);

var newEntityView = new EntityView
{
    Name = "Admin-Dashboard",
    DisplayName = "Admin",
    UiHint = "extension",
    Icon = "chart_donut",
    ItemId = "Admin-Dashboard"
};

entityView.ChildViews.Add(newEntityView);
```



I will not repeat myself
I will not repeat myself
I will not repeat myself
I will not repeat myself
I will not repeat myself
I will not repeat myself
I will not repeat myself
I will not repeat myself

DON'T REPEAT YOURSELF

Repetition is the root of all software evil

Do not repeat yourself

To not repeat yourself keep the Dashboard information in Sitecore items.



Do not repeat yourself

Read the dashboard information using SitecoreConnectionManager

```
SitecoreConnectionManager sitecoreConnectionManager = new SitecoreConnectionManager();

var dashboardList = await sitecoreConnectionManager.GetItemChildrenAsync(context.CommerceContext, BizFxNavigationRootId);

foreach (var dashboard in dashboardList)
{
    var reviewsView = new EntityView
    {
        Name = dashboard["Name"].ToString(),
        DisplayName = dashboard["Name"].ToString(),
        Icon = dashboard["IconName"].ToString(),
        ItemId = dashboard["Name"].ToString()
    };
    entityView.ChildViews.Add(reviewsView);
}

return entityView;
```

Probably the first XC 9.1. demo in the world



Minions

The Commerce Minions role is an instance of the Commerce Engine that runs independently and supports asynchronous processing.



When it runs last time your custom minion?

How many items did you process?

My minions

Declare Minion Entity

```
public class ImportMinionEntity : CommerceEntity
{
    5 references
    public DateTime LastRun { get; set; }

    5 references
    public int ModifiedItems { get; set; }

    0 references
    public string Comments { get; set; }
}

1 reference
public ImportMinionEntity()
{
}
```


My minions

Create or update MinionEntity (dummy code)

```
0 references
public override async Task<MinionRunResultsModel> Run(MinionRunResultsModel arg,
    CommercePipelineExecutionContext context)
{
    FindEntityArgument findMinionEntityArgument = new FindEntityArgument(typeof(ImportMinionEntity), EntityMinionId);
    ImportMinionEntity importMinionEntity = await _findEntityPipeline.Run(findMinionEntityArgument, context) as ImportMinionEntity;
    var lastRun = DateTime.MinValue;
    Random rnd = new Random();
    if (importMinionEntity == null)
    {
        importMinionEntity = new ImportMinionEntity(EntityMinionId);
        importMinionEntity.LastRun = DateTime.Now;
        importMinionEntity.Name = "First Minion";

        importMinionEntity.ModifiedItems = rnd.Next(5000);
        await _persistEntityPipeline.Run(new PersistEntityArgument(importMinionEntity), context);
    }
    else
    {
        importMinionEntity.LastRun = DateTime.Now;
        importMinionEntity.ModifiedItems = rnd.Next(5000);
        await _persistEntityPipeline.Run(new PersistEntityArgument(importMinionEntity), context);
    }
}

minionPolicy = arg.GetPolicy<ImportPolicy>();

return arg;
}
```

Create navigation dashboard

```
[PipelineDisplayName("EnsureNavigationView")]  
2 references  
public class EnsureNavigationView : PipelineBlock<EntityView, EntityView, CommercePipelineExecutionContext>  
{  
    private readonly CommerceCommander _commerceCommander;  
  
    0 references  
    public EnsureNavigationView(CommerceCommander commerceCommander)  
    {  
        this._commerceCommander = commerceCommander;  
    }  
  
    0 references  
    public override Task<EntityView> Run(EntityView entityView, CommercePipelineExecutionContext context)  
    {  
        if (entityView.Name != "ToolsNavigation")  
        {  
            return Task.FromResult(entityView);  
        }  
  
        var newEntityView = new EntityView  
        {  
            Name = "My Minions",  
            DisplayName = "ImportMinions",  
            Icon = "calendar_clock",  
            ItemId = "ImportMinions"  
        };  
  
        entityView.ChildViews.Add(newEntityView);  
  
        return Task.FromResult(entityView);  
    }  
}
```

Register the pipeline

Register NavigationView inside ConfigureServices.cs

0 references

```
public void ConfigureServices(IServiceCollection services)
{
    var assembly = Assembly.GetExecutingAssembly();
    services.RegisterAllPipelineBlocks(assembly);

    services.Sitecore().Pipelines(config => config
        .ConfigurePipeline<IBizFxNavigationPipeline>(d =>
        {
            d.Add<EnsureNavigationView>();
        })
        .ConfigurePipeline<IGetEntityViewPipeline>(d =>
        {
            d.Add<Dashboard>().Before<IFormatEntityViewPipeline>();
        })
    );
    services.RegisterAllCommands(assembly);
}
```

Add the minion entity view

```
public override async Task<EntityView> Run(EntityView entityView, CommercePipelineExecutionContext context)
{
    Condition.Requires(entityView).IsNotNull($"{this.Name}: The argument cannot be null");

    if (entityView.Name != "My Minions")
    {
        return entityView;
    }

    var pluginPolicy = context.GetPolicy<Sitecore.Commerce.Core.PluginPolicy>();

    entityView.UiHint = "Table";
    entityView.Icon = pluginPolicy.Icon;
    entityView.DisplayName = "My minions";

    FindEntityArgument findMinionEntityArgument = new FindEntityArgument(typeof(ImportMinionEntity), EntityMinionId);
    ImportMinionEntity importMinionEntity = await _findEntityPipeline.Run(findMinionEntityArgument, context) as ImportMinionEntity;

    EntityView minionEntityView = new EntityView { EntityId = string.Empty };
    minionEntityView.DisplayName = "All";
    minionEntityView.UiHint = "Table";

    if (importMinionEntity != null)
        AddPropertiesToView(minionEntityView, importMinionEntity);

    entityView.ChildViews.Add(minionEntityView);
}
```

Where are my minions

My minions

COMMERCE > [My minions](#)

HabitatAuthoring

Language displayed

English: English



My minions



Name

Last Run

Modified items



First Minion

6:52:07 AM

2109



Second Minion

6:52:07 AM

421



Showconfig

← → ↺ ⓘ Not secure xp0.sc/sitecore/admin/showconfig.aspx?sc_lang=en



Open

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="utf-8" ?>
<sitecore xmlns:patch="http://www.sitecore.net/xmlconfig/" database="SqlServer">
  <sc.variable name="dataFolder" value="/App_Data"/>
  <sc.variable name="mediaFolder" value="/upload"/>
  <sc.variable name="tempFolder" value="/temp"/>
  <sc.variable name="defaultLinkDatabaseConnectionStringName" value="core"/>
  <sc.variable name="defaultDatabaseConnectionStringName" value="master"/>
  <sc.variable name="defaultContentDatabaseName" value="master"/>
  <prototypes>
    <ErrorControl type="Sitecore.Web.UI.WebControls.StandardErrorControl, Sitecore.Kernel"/>
    <ItemNavigator type="Sitecore.Nexus.Xml.NexusItemNavigator, Sitecore.Nexus"/>
  </prototypes>
  <!--
    EVENT MAPS
    events.timingLevel =
      none - No timing information is logged for any of the events (no matter what their local settings are)
      low - Start/end timing is logged for events with handlers. Local settings override.
      medium - Start/end timing is logged for all events. Local settings override.
      high - Start/end timing is logged for all events. Also, start/end for each handler is logged. Local settings override.
      custom - Only local settings apply. Events without settings are not logged.
    event.timingLevel =
      none - No timing information is logged for the event.
      low - The combined time of all handlers is logged for the event. If no handlers are specified, nothing is logged.
      medium - The combined time of all handlers is logged for the event. Even if it does not have any handlers.
      high - The combined and individual time of all handlers is logged for the event.
  -->
  <!--
    The below config should be moved to content.foundation and namespaces updated
  -->
  <events timingLevel="custom">
    <event name="data:updated"/>
    <event name="item:added" patch:source="Sitecore.XA.Foundation.Variants.Abstractions.config">
      <handler type="Sitecore.Data.Fields.ItemEventHandler, Sitecore.Kernel" method="OnItemAdded"/>
      <handler type="Sitecore.XA.Feature.Composites.EventHandlers.CompositeItemHandler, Sitecore.XA.Feature.Composites" method="OnItemAdded" resolve="true" patch:source="Sitecore.XA.Feature.Composites.config"/>
      <handler type="Sitecore.Caching.Placeholders.PlaceholderCacheEventHandler, Sitecore.Kernel" method="UpdateCaches" resolve="true"/>
      <handler type="Sitecore.Modules.EmailCampaign.Core.ItemEventHandler, Sitecore.EmailCampaign" method="OnItemAdded" resolve="true" patch:source="Sitecore.EmailExperience.ContentManagement.config"/>
      <handler type="Sitecore.XA.Foundation.Editing.EventHandlers.PlaceholderChromeDataCacheClearer, Sitecore.XA.Foundation.Editing" method="OnItemAdded" patch:source="Sitecore.XA.Foundation.Editing.config"/>
      <handler type="Sitecore.XA.Foundation.Variants.Abstractions.EventHandlers.VariantSwitcherCacheClearer, Sitecore.XA.Foundation.Variants.Abstractions" method="OnItemAdded" patch:source="Sitecore.XA.Foundation.Variants.Abstractions.config"/>
    </event>
    <event name="item:added:remote" patch:source="Sitecore.XA.Foundation.Variants.Abstractions.config">
      <handler type="Sitecore.Data.Fields.ItemEventHandler, Sitecore.Kernel" method="OnItemAddedRemote"/>
      <handler type="Sitecore.Caching.Placeholders.PlaceholderCacheEventHandler, Sitecore.Kernel" method="UpdateCachesRemote" resolve="true"/>
      <handler type="Sitecore.XA.Foundation.Editing.EventHandlers.PlaceholderChromeDataCacheClearer, Sitecore.XA.Foundation.Editing" method="OnItemAddedRemote" patch:source="Sitecore.XA.Foundation.Editing.config"/>
      <handler type="Sitecore.XA.Foundation.Variants.Abstractions.EventHandlers.VariantSwitcherCacheClearer, Sitecore.XA.Foundation.Variants.Abstractions" method="OnItemAddedRemote" patch:source="Sitecore.XA.Foundation.Variants.Abstractions.config"/>
    </event>
    <event name="item:copied" patch:source="Sitecore.XA.Foundation.Variants.Abstractions.config">
      <handler type="Sitecore.Links.ItemEventHandler, Sitecore.Kernel" method="OnItemCopied"/>
      <handler type="Sitecore.Tasks.ItemEventHandler, Sitecore.Kernel" method="OnItemCopied"/>
      <handler type="Sitecore.Modules.EmailCampaign.Core.ItemEventHandler, Sitecore.EmailCampaign" method="OnMessageCopied" resolve="true" patch:source="Sitecore.EmailExperience.ContentManagement.config"/>
      <handler type="Sitecore.XA.Foundation.Editing.EventHandlers.PlaceholderChromeDataCacheClearer, Sitecore.XA.Foundation.Editing" method="OnItemCopied" patch:source="Sitecore.XA.Foundation.Editing.config"/>
      <handler type="Sitecore.XA.Foundation.Theming.EventHandlers.AssetContentRefresher, Sitecore.XA.Foundation.Theming" method="OnItemCopied" patch:source="Sitecore.XA.Foundation.Theming.config"/>
      <handler type="Sitecore.XA.Foundation.Variants.Abstractions.EventHandlers.VariantSwitcherCacheClearer, Sitecore.XA.Foundation.Variants.Abstractions" method="OnItemCopied" patch:source="Sitecore.XA.Foundation.Variants.Abstractions.config"/>
    </event>
  </events>
</sitecore>
```


How to see policies values for every environment?

Back

HabitatAuthoring

Language displayedEnglish: English

WakeUpInterval	ListToWatch	FullyQualifiedName	ItemsPerBatch	SleepBetweenBatches	Entities
		Sitecore.Commerce.Core.NodeHeartBeatMinion, Sitecore.Commerce.Core	10	500	

ListNamePolicy

GlobalOrderPolicy

OnHoldOrdersPolicy

CancelOrdersPolicy

GlobalInventoryPolicy

CheckStockLevel	SubtractStockOnOrder	DefaultAllocationDateAvailable	MaxInventorySetLength
true	true	1/1/01	50

GlobalCurrencyPolicy

DefaultCurrencySet
0F65742E-317F-44B0-A4DE-EBF06209E8EE

