**Title: Barista Deployment**

**Overview**

This deployment package includes the Barista Service Application, supporting applications and web parts.

1/20/13: Deployment instructions have been updated.

4/06/13: Deployment instructions updated with information about Barista Search Service

8/22/13: Updated troubleshooting information for locked assemblies in the gac.

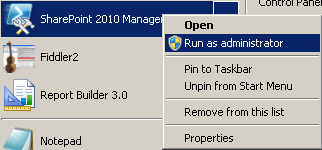
**Deployment instructions**

**Pre-Deployment**

* Obtain the Barista.SharePoint solution from the solution store of the target environment for catastrophic error recovery.
* Stage the files on the target environment.

**Deployment**

1. Open SharePoint 2010 Management Shell – As the following operations require admin credentials, ensure that the shell is opened with Administrator credentials by right-clicking on the SharePoint 2010 Management Shell Shortcut and selecting “Run as Administrator”



2. Navigate to the directory where the scripts and solution files were staged.

3. Type the following, pressing enter (return) after each line.

**.\Deploy.ps1 -Config Solutions-[Environment].xml -ManagedAccount <Application Pool Identity Managed Account> -SPApplicationPoolName <Desired Barista Application Pool Name> -Uri <Target Test Uri>**

The scripts will install/upgrade Barista.SharePoint in the target environment and provision the necessary Service Applications.

Current Service Application Managed Accounts in use:

Dev: svcSP10ServiceApp

Stage: svcSP10ServiceApp

Prod: svcOFSPortalServiceApp

The Deployment master script will execute the following in order, executing the appropriate IISResets when necessary:

**.\UninstallBaristaSearchService.ps1**

**.\UninstallBaristaServiceApplication.ps1  
.\Deploy-SPSolutions.ps1 –Config <Target Configuration File>**

**IISRESET**

**<Reload PowerShell Thread>**

**.\SetupBaristaServiceApplication.ps1 –ManagedAccount <Application Pool Identity Managed Account>**

**.\SetupBaristaServiceApplicationProxy.ps1**

**.\SetupBaristaSearchService.ps1 –ManagedAccount <Application Pool Identity Managed Account>**

**.\TestBaristaServiceApplication.ps1 -Uri <TargetUri>**

**VERIFY**

Verify that the Service Application has been installed:

1. Open Central Admin.
2. Under “Application Management” Click “Manage Service Applications”
3. Verify that a Service Application named “Barista Service Application” appears in the list.

Verify that the Barista Service has been started on a server in the farm:

1. Open Central Admin.
2. Under “System Settings” click “Manage Services on Server”
3. Under the server dropdown, select an application server.
4. Verify that the service named “Barista Service” has been started.
   1. If it has not been started, press start and perform an IIS reset.

Verify that the Barista Search Service has been started on a server in the farm:

1. Open Central Admin.
2. Under “System Settings” click “Manage Services on Server”
3. Under the server dropdown, select an application server.
4. Verify that the service named “Barista Search Service” has been started.
   1. If it has not been started, press start.

Verify that the Barista Service Application is functioning nominally.

1. From the deployment location, execute the following powershell script:

**.\TestBaristaServiceApplication.ps1 –Uri <Environment Site Url. E.g.** [**http://ofs2010dev**](http://ofs2010dev)**>**

1. Verify that the result is 42.

Verify that Unit Tests Pass.

1. On a Web in the farm, that has permissive browser file handling on the hosting web application , Activate the “Barista Unit Tests Feature”
2. Browse to the following location on the web /Lists/BaristaUnitTests/index.html
3. Verify that Unit Tests Pass. Note the ones that fail
   1. Note: If activating Barista on a Central Admin Web, a number of tests will fail. (4)

**Rollback Instructions**

Re-deploy the solutions previously obtained in the pre-deployment steps.

**Things to Troubleshoot:**

* Ensure that the Claims to Windows Token Service is running.
* Ensure that the managed account that is running the Claims to Windows Token Service is a local admin on the machine that is running the service.
* Ensure that the managed account that is running the Claims to Windows Token Service has been added to the “Act as part of the Operating System” local policy.
* If issues arise with the Ajax object, attempt to restart the Claims to Windows Token Service using the SharePoint installation account with Admin privileges in internet explorer.
* Ensure that the service account has write permissions to the SharePoint Config Database.
* If a deployment fails due to Barista.Core being locked in the GAC, attempt to restart the following services on the failing servers.
  + SharePoint Administration Service
  + SharePoint Timer Service
  + World Wide Web Publishing Service
  + IIS Admin Service
  + Web Analytics Service

**Uninstallation:**

Execute the following PowerShell scripts in sequence:

.\UninstallBaristaSearchService.ps1

.\UninstallBaristaServiceApplication.ps1