# Homer (Domain Accounts)

# Lenny

sa password: Redwine2016

local administrator password - postcode related

homer-w2k3, dref6#4E8P

## Digital Pen Portal

http://dppadmin/DigitalPen/Portal/DesktopDefault.aspx

### Database Alstom

Site Admin: administrator@meticulus.com, pwd: dpp (http://fas/DigitalPen/Portal/DesktopDefault.aspx)

user dppadmin@wrshealth.com, pwd: wrs

validator@wrshealth.com, pwd: dpp

# HOMER

Domain administrator CSS\administrator pwd is old homer-w2k3 pwd

WIGGUM - local admin - pwd is old homer-w2k3 pwd -DOMAIN is CSS.local

Selma - local admin, pwd KB related?

DSRP - keyboard related!

# SP2013 Server (W2K12R2 - dodgy generation 2 release)

Administrator - pwd Qwerty123!

# W2K12R2 Server

Administrator - pwd Qwerty123!

### UAC

http://www.computerperformance.co.uk/windows\_server/disable-uac-server-2012.htm#Locate\_the\_Policy\_Settings

#### Problems saving edited files from Notepad++

Resolution: 1) run Notepad++ as administrator, 2) User Account Control: Only elevate UIAccess applications that are installed in secure locations - Diable

# Windows Server 2012 R2 180 day eval

Installed 20/10/2016

Administrator, pwd: Qwerty123!

# Installing VMWare Windows Server 2012 R2

* Consider using SSD for one virtual disk - performance is an issue
* Set 2 CPU, 1 Core each gives better performance than 1 CPU, 1 Core
* Pre-allocate entire disk for better performance
* “No images are available error” delete floppy from VMWare machine

# SharePoint 2013 Install

* https://tenbulls.co.uk/2015/03/30/how-to-install-sharepoint-2013-on-windows-2012r2/
* https://davidlozzi.com/2014/04/08/installing-sharepoint-2013-foundation/

### Follow CTP document (except domain controller)

* Need SQL Server SP1 for reporting services integration with SharePoint according to CTP document

# Notes on SharePoint Install and Configuration

WRS AWS Server is running SQL Server 2012 SP2

## Remember to use a SQL Server Alias

https://www.habaneroconsulting.com/insights/why-you-should-be-using-a-sql-server-client-alias#.WIyI6VWLQdU

https://sqlstudies.com/2014/06/18/aliasing-a-sql-server-when-it-works-when-it-doesnt-and-when-it-may-be-your-problem/

https://technet.microsoft.com/en-us/library/ff607733.aspx#proc4

Can avoid a lot of headaches if SQL Server is moved to a different machine.

## WRS Setup

Details of accounts in AWS Access.txt document in google driver

Uses alias SP\_DB\_ALIAS edit in SQL Configuration Manager

### Disable Loopback Check - Affects SharePoint crawl and accessing web app apparently

http://sp-vinod.blogspot.co.uk/2013/03/disable-loop-back-check-in-sharepoint.html

https://blogs.technet.microsoft.com/sharepoint\_foxhole/2010/06/21/disableloopbackcheck-lets-do-it-the-right-way/

\*NOTE\* This method should only be run on your test and dev servers. It is a security risk to do so on your production servers. The way to do this on production is to specify the host names which are able to access the app. This is detailed in KB896861

## Create Domain Accounts

* sp2013\_install - make administrator for now
* sp2013\_farm - this will be the database access account i.e. the SharePoint system account as well as a farm administrator

## Installing SQL Server on a domain controller

* Apparently cannot promote an existing server with SQL Server to DC - need to uninstall first.
* https://msdn.microsoft.com/en-us/library/ms143506.aspx#DC\_support

### Add users to SQL Server

* **sp2013\_install** account (must be SQL Server securityadmin and dbcreator)

## Configuring Distributed Cache Service

Opening firewall ports in advance of install may avoid subsequent issues with the Distributed Cache service.

* Need firewall ports opening:
  + https://jlinssen.wordpress.com/2013/01/10/distrubited-cache-in-sharepoint-2013/
* Need to configure service account
  + http://alstechtips.blogspot.co.uk/2014/04/sharepoint-2013-how-to-change.html

## Install SharePoint Prerequisites

Check your SQL Server’s properties, specifically the Max Degree of Parallelism of a value of 1. Check out <http://www.sharepointpitstop.com/2013/04/max-degree-of-parallelism-error.html> for more details, I ran into this issue myself ;).

Log on as sp2013\_install - Follow https://davidlozzi.com/2014/04/08/installing-sharepoint-2013-foundation/ or follow CTP document up to end of install prerequisites, then:

* Log on as **sp2013\_install** account (must be SQL Server securityadmin and dbcreator & local admin)
  + YES - stick with sp2013\_install account - add this account to administrators group for install then remove later

## Check For Windows Updates - Watch OUT!!

Don’t want .NET 4.6 - but can fix - see

https://support.microsoft.com/en-us/help/3087184/sharepoint-2013-or-project-server-2013-setup-error-if-the-.net-framework-4.6-is-installed

## Configure SharePoint

NOTE: Possibly worked to avoid issues with AppFabric service. Made sp2013\_farm account a SQL Server sysadmin account. Ran install using sp2013\_farm account for install and SharePoint Config Wizard. All seems good.

The install accounts is juggling various issues:

* Problem with Distributed Cache not working
* Can we make the account workflow run under different to the System Account - if not we have this problem:
  + Declarative workflows cannot automatically start if the triggering action was performed by System Account.
  + Or alternative fix to this might be to set up the SP2013 Workflow Manager & Apps
    - https://social.msdn.microsoft.com/Forums/SharePoint/en-US/52f204e4-d636-4ec4-8701-59b21ecbf09c/activate-workflows-can-use-app-permission-error?forum=sharepointadmin
    - https://social.msdn.microsoft.com/Forums/SharePoint/en-US/52f204e4-d636-4ec4-8701-59b21ecbf09c/activate-workflows-can-use-app-permission-error?forum=sharepointadmin
* Make sure logged on as sp2013\_install account (make this an administrator during this process)
  + Passphrase Qwerty123!
* Make sure stay logged on as sp2013\_install account (BUT specify sp2013\_farm as the Database Access Account - Note: this becomes the system account as well as a farm administrator, but this is correct according to https://technet.microsoft.com/en-us/library/cc263445.aspx).) See: See: http://vogtland.ws/markedwardvogt/?p=1016 for background. (Note: I don’think System account is necessarily the same as app pool accounts)

Once Config has finished log off and logon as sp2013\_farm account. Remove sp2013\_install from administrators group. Actually: if farm account is not local admin then the diagnostic logging (from e.g form history lock manager timer job) does not have required access. So leave as local admin for now…

Read https://davidlozzi.com/2013/04/03/overview-of-sharepoint-2013s-services/ for background on SharePoint services.

Follow https://davidlozzi.com/2014/04/08/installing-sharepoint-2013-foundation/ again

* + Don’t need App Management Service
  + Didn’t start Microsoft SharePoint Foundation Subscription Settings Service

Add pcore to Farm Administrators. Remove sp2013\_farm from local admin group.

## Create your web application

Login as pcore (farm admin)

## WRS Setup

* For WRS will have web application in default zone with
  + Host header **internal.penad.wrshealth.com** (with CNAME record)
  + internal.penad.wrshealth.com equivalent to my internal.css.local
    - Public (Extranet URL ) from Extending the Web Application
      * **digitalpen.wrshealth.com** using host header and CNAME record
      * equivalent to my digitalpen.css.local
* Create web application, **internal.penad.wrshealth.com**, but do not include FBA access at this point. Thinking is may need this for crawling the Default zone and establishing permissions for external users.
* Extend web application to extranet zone using host header **digitalpen. wrshealth.com** and specify FBA SQL\_Membership and SQL\_Role
* We will have managed paths root and EMR both Explicit inclusion
* Site Collections
  + digitalpen.wrshealth.com/
    - needed for various SharePoint internal stuff, but not used
  + digitalpen.wrshealth.com/EMR (digitalpen.css.local/EMR) and subsites:
    - digitalpen.wrshealth.com/Goshen
    - digitalpen.wrshealth.com/Bath18
    - etc.
* Use CNAME records mapping digitalpen.wrshealth.com to sp2013.penad.wrshealth.com and internal.penad.wrshealth.com to sp2013.penad.wrshealth.com

See word document **Alternate Access Mappings and Host Header for Web application** in googledrivefor references and background. Note: key to getting host header in web application to work is not to mess with the defaults - Please check the AAM for your web application, make sure the "Internal URL" and  "public URL for Zone" both are your host name url in Default zone.

NOTE: Added **internal.penad.wrshealth.com** to hosts file on DB server and SP2013 server Pending DNS changes.

## Web App Configuration Changes

* Turn off second stage recycle bin (General Settings)

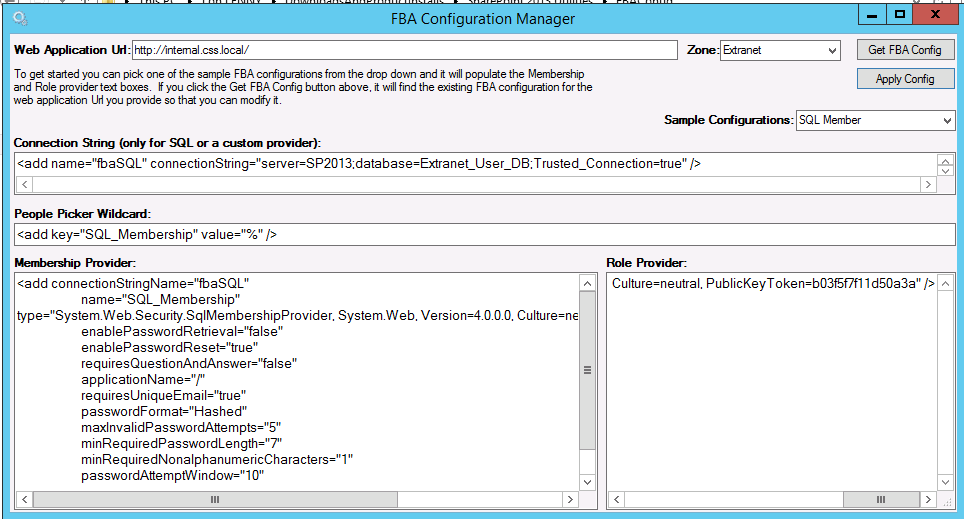
# FBA Config

1. Create Extranet\_User\_DB using instuctions in Step 3 – Creating the SQL Database for User Management in Word Doc **Configuring SharePoint 2013 Forms Based Authentication with SQLMemberShipProvider Microsoft**
2. Copy FBAConfig and FBAPack into c:\install
3. run C:\Install\FBAConfig> RunPS.bat InstallFBAConfig.ps1
4. run FBAConfigMgr.exe

Let’s login to our WFE server and fire up FBAConfigMgr.exe. While you can get the code you need from here and edit web.config yourself, if you just let the tool run its course, it will create a Timer Job and do the task for you. In the FBAConfigMgr type in your application URL and from the sample configuration choose the following:

* People Picker Wildcard
* Connection String
* Membership Provider
* Role Provider

Here is what the screen looks like when default values are chosen:



IMPORTANT NOTE: The tool did not appear to update both the web.configs in C:\inetpub\wwwroot\wss\VirtualDirectories\digitalpen.css.local80\web.config and C:\inetpub\wwwroot\wss\VirtualDirectories\internal.css.local80\web.config correctly but a working version is in J:\DownloadsAndProductInstalls\SharePoint 2013 Utilities\FBAConfig

We will modify the default values to reflect the following (highlighted items need modification per your environment):

* Web Application URL – **http://internal.css.local/ (http://internal. penad.wrshealth.com )**
* People Picker Wildcard – <add key="**SQL\_Membership**" value="%" />
* Connection String –   
  <add name="fbaSQL" connectionString="server=SP\_DB\_ALIAS; database=Extranet\_User\_DB; Trusted\_Connection=true" />
* Membership Provider –   
  <add connectionStringName="fbaSQL"

name="SQL\_Membership"

type="System.Web.Security.SqlMembershipProvider, System.Web, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a"

enablePasswordRetrieval="false"

enablePasswordReset="true"

requiresQuestionAndAnswer="false"

applicationName="/"

requiresUniqueEmail="true"

passwordFormat="Hashed"

maxInvalidPasswordAttempts="5"

minRequiredPasswordLength="7"

minRequiredNonalphanumericCharacters="1"

passwordAttemptWindow="10"

passwordStrengthRegularExpression="" />

Role Provider –   
<add name="SQL\_Role"

connectionStringName="fbaSQL"

applicationName="/"

type="System.Web.Security.SqlRoleProvider, System.Web, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a" />

* Hit Apply Config and timer job will be created to make changes to the web.config files.
  + Once job has completed “Get FBA Config” button should work properly.
* Follow instructions in word doc **Installing and Configuring the SharePoint 2013 FBA Pack** in DownloadsAndProductInstalls\SharePoint 2013 Utilities\FBAPack to deploy the FBA pack.
  + Make sure to deploy FBA Pack to root site: **http://internal. penad.wrshealth.com** as well as **http://internal. penad.wrshealth.com/EMR** else may get “An error occurred” when navigating to Manage FBA Users in site settings.

## Setting up FBA Groups and Users

REMEMBER: No SPACES in user names or maybe full names else get this ridiculous error in ULS log

An exception occurred when trying to issue security token: The security token username and password could not be validated..

## Configuring Distributed Cache Service

* Need firewall ports opening:
  + https://jlinssen.wordpress.com/2013/01/10/distrubited-cache-in-sharepoint-2013/
* Need to configure service account
  + http://alstechtips.blogspot.co.uk/2014/04/sharepoint-2013-how-to-change.html

See Also - to remove CacheCluster service

* http://community.rightpoint.com/blogs/viewpoint/archive/2013/12/29/sharepoint-2013-distributed-cache-roundup-and-dev-vm-turbo-boost.aspx

https://collab365.community/distributed-cache-repairing-it-with-powershell/

https://technet.microsoft.com/en-us/library/jj219572.aspx

#### Uninstall AppFabric post (link below works!)

http://sharepoint-blog.com/uninstalling-sharepoint-2013-and-appfabric-1-1/

Ran reinstall using sp2013\_farm account for install and SharePoint Config Wizard. Once all configured removed sp2013\_farm from local administrators group. All seems good.

## How to do it in SharePoint Online

* https://msdn.microsoft.com/en-us/pnp\_articles/branding-and-site-provisioning-solutions-for-sharepoint

## IMPORTANT - Install SharePoint Designer 64 bit incl SP1 and other KB fixes before Installing DPP Stuff

* Is this the key to avoiding the red undefined workflow variable error on “Check for Errors” and “Save Workflow”?
* Okay, don’t know what bits are significant about this method, but it works (I hope):
  + Log on as sp2013\_farm
  + Fire up CA and the root website collection
  + Install 64bit SharePoint Designer
  + Followed by kb2767858
  + Followed by kb2817441 (SP1)
  + Fire up SPD. In File => Options turn off caching and preloading
  + Create a list based workflow fist
  + Create variable using “Local Variables” button first
  + Create action set workflow variable to a looked up item
  + Check for errors and save, hope for the best.

## Installing DPP Solutions

* Upload SharePoint Connector\Scripts\Deployment
* Check Solutions.ps1 looks like

$webappSolutions = "Meticulus.Sharepoint.Diagnostics.wsp",

"Meticulus.Sharepoint.AjaxConfig.wsp",

"Meticulus.Sharepoint.SiteDefinition.wsp",

"Meticulus.Sharepoint.Webparts.wsp"

#Comment line below out for FIRST installation

#$webappSolutions = "Meticulus.Sharepoint.SiteDefinition.wsp"

#Solutions with no resources scoped for a web app

#UNCOMMENT line below out for FIRST installation

$globalSolutions = "Microsoft.Practices.SharePoint.wsp"

* Run WRS-DeployAllSolutions.bat
  + This deploys the global and farm solutions (is there a difference?)
* In CA go to Monitoring => Diagnostic Logging
  + Find Digital Pen category and change to Warning and Verbose
* Create site collection **internal.penad.wrshealth.com /EMR** using Meticulus Digital Pen template, call it Digital Pen Home
* Navigate to **internal.penad.wrshealth.com /EMR** 
  + Activate any Digital or EMR Pen Site Collection Features that are missing
  + Check Site Features are activated
* Edit Solutions.ps1 to look as below for future deploy all calls:

$webappSolutions = "Meticulus.Sharepoint.Diagnostics.wsp",

"Meticulus.Sharepoint.AjaxConfig.wsp",

"Meticulus.Sharepoint.SiteDefinition.wsp",

"Meticulus.Sharepoint.Webparts.wsp"

#Comment line below out for FIRST installation

$webappSolutions = "Meticulus.Sharepoint.SiteDefinition.wsp"

#Solutions with no resources scoped for a web app

#UNCOMMENT line below out for FIRST installation

#$globalSolutions = "Microsoft.Practices.SharePoint.wsp"

## Form Registration etc

For now this works:

1. Add the spFEPuser to the EMR site as a Site Owner for now (can fix permission level later but Note: Site Member does not work).
2. In Site Settings => Digital Pen => SharePoint Settings set the Template Content Type Name to be EMR\_Template.
3. Log on to FEP Portal as site admin and under Customers => WRS set the SharePoint Url to http://**internal.penad.wrshealth.com/**
4. In FEP Forms Tab, find EMR\_Template form and set the SharePoint url to EMR. **Register the form** in SharePoint (no need to set content type or document library)

This ensures that PracticeID and WRSPatientID are added into the EMR\_Template content type.

1. Then leave the SharePoint Settings => Template Content Type Name as EMR\_Template
2. Register a standard form in SharePoint -
   1. Content Type field should left BLANK. (for XML upload)
   2. Document library Forms
3. Upload the actual forms using Forms as the document library

Registering the form creates the “placeholder template” derived from EMR\_Template with the same name as the FormId.

Uploading a form with this setting uses the placeholder template. AND using a placeholder template in the form upload ensures that locking is used.

This process avoids this error on pen upload:

Category: Default: Error: You cannot upload form data using the template content type 'EMR\_Template'.Leave the content type empty or for advanced use specify a new content type name. Upload is for formId 'WRSFinancialPolicy2'

But why should this be disallowed anyway? It would probably be better to add the WRS base fields into DPPFormBase????

And avoids the following issue:

Registering a new version of the EMR\_Template content type will have to be done outside of Office Hours. Since it requires changing the SharePoint Settings => Template Content Type Name so normal forms will fail with the above error.

### To add new fields:

1. To add to DppFormBase Elements.xml (not the field ref)
   1. Retract and Deploy the new solution
   2. In Site Settings => Digital Pen => SharePoint Settings ensure the Template Content Type Name is still EMR\_Template and register the EMR\_Template form.
   3. This will add any new fields in DppFormBase into the EMR\_Template ct
2. To add fields to EMR\_Template
   1. Edit the PDF, add the field and set the magic attribute - AddSPFieldToContentType to true
   2. Register the form using wrsreg script
   3. In Site Settings => Digital Pen => SharePoint Settings ensure the Template Content Type Name is EMR\_Template and register the EMR\_Template form.

## SubSite Creation

* Need Forms document library (can rename to New Forms after creation)

## Patients List

In the Practice Subsite the Patients list is created using the EMR\_Patient content type. Due to problems deploying calculated columns in elements.xml file the EMR\_PatientName calculated field is created manually as a list column and then the SPM is used to set:

* ListItemMenu="TRUE"
* ListItemMenuAllowed="Required"

to attach the menu to the EMR\_PatientName calculated name field.

Use formula:

=[Last Name]&", "&[First Name]

## Workflows

* Creates Practices custom list
  + Edit Title field to have name Practice Name
  + Add required fields in various ways!
    - PracticeID comes from existing DPP Site Column (created by registering EMR\_Template)
      * Edit Site Column to have max length 10 (Update everywhere)
      * Add to Practices list then set to enforce unique values (this list only)
    - SiteCode is a list column (not a Site Column) - This is the only place it is used.
    - Forms is a list column (Lookup field)
* Upload PDF and XML using the Pen Uploaded event
* Need Move Form and Move PDF workflows
* Move Form
  + Called on item update
  + Remember at end delete corresponding FormHistoryLock item (if one exists)

## Form Approval

* Create Forms document library in SubSite (can rename to New Forms later if required)
* Need to create MagicLink calculated column field
  + =[Form Status]&"<img src=""/\_layouts/images/blank.gif"" onload=""{"&"initApproveForm();}"">"
* Edit EMR\_FormManagement custom action in 15\TEMPLATE\FEATURES\Meticulus.Sharepoint.SiteDefinition\_EMR\_FormManagement\EMR\_FormManagement to reference EMR\_Template content type

To get pdf link to open in new window, do we need Adobe Reader installed?

## Create Permission Levels and Groups for FBA Users

To Edit the permission level applied to a SharePoint group: In SharePoint 2013, go to:

Site Settings -> Site Permissions. Then select the group you want to edit via the checkbox, and click Edit User Permissions.

## HACK - Disable CORS in IE 11

TODO: Needs proper CORS support on FasPrint server apache

http://stackoverflow.com/questions/20947359/disable-same-origin-policy-internet-explorer

## Problems with permissions

### Access denied. Only machine administrators are allowed to create administration service job definitions of type

Fix: 1) Run cmd shell as administrator. 2) Turn off UAC as per http://social.technet.microsoft.com/wiki/contents/articles/30479.access-denied-only-machine-administrators-are-allowed-to-create-administration-service-job-definitions-of-type.aspx

### Access denied. (no further message)

Fix: 1) Edit .bat scripts to run powershell as below.

powershell.exe -executionpolicy unrestricted -command ".\DeployAll.ps1" %webAppUrl% %siteUrl%

//powershell -file ".\DeployAll.ps1" %webAppUrl% %siteUrl%

2) https://social.technet.microsoft.com/Forums/sharepoint/en-US/68af42d6-7a12-49eb-941c-72ba0cc6d316/setexecutionpolicy-unrestricted-force?forum=winserverpowershell

To turn off globally

# DPP Integration Testing

* http://w2k12r2/customers/wrs/\_vti\_bin/Dpp.asmx

### Problem Unauthorized (401 error)

http://stackoverflow.com/questions/14746869/the-request-failed-with-http-status-401-authorized-for-access-sharepoint-web-se

If your ASP.Net page is in the same intranet you can use the System.Net.CredentialCache approach. See Reference: http://msdn.microsoft.com/en-us/library/hh134614(v=office.14).aspx

If your ASP.Net page is not hosted in the same intranet, you need to get past the authentication provider of the Sharepoint site. See Reference: http://msdn.microsoft.com/en-us/library/hh147177(v=office.14).aspx

Fixed Problem - HACK in SharePointConnector.cs

// use specified user - TODO: Add a built-in user account or, better rewrite the SP2013 authentication stuff.

dppSharePointConnector.Credentials = new System.Net.NetworkCredential("pcore", "chase01", "METICULUSOFFICE");

### Problem: The request filtering module is configured to deny a request where the query string is too long

* Tried increasing the request filter length for query string in IIS manager (writes to web.config) but does not appear to fix problem.

### Problem: Need to Create The Digital Pen Event Logging Category

This is created by the timer job below - which cannot load the 'Microsoft.Practices.SharePoint.Common

Meticulus.Sharepoint.Diagnostics.CreateLoggingEventSourceTimerJob (ID 4ac07d2f-228b-46e2-88bd-6aa23e9314fe) threw an exception. More information is included below. Could not load file or assembly 'Microsoft.Practices.SharePoint.Common, Version=2.0.0.0, Culture=neutral, PublicKeyToken=ef4330804b3c4129' or one of its dependencies. The system cannot find the file specified.

SharePoint Farm Solutions can be deployed to 15 Hive

See: https://blogs.technet.microsoft.com/mspfe/2013/02/04/planning-deployment-of-farm-solutions-for-sharepoint-2013/

Can use SharePointProductVersion in .wsp manifest file - this is done by Upgrade Wizeard- , or -CompatibilityLevel in powershell Install-SPSolution, Uninstall-SPSolution, Install-SPFeature and Uninstall-SPFeature

SharePoint 2013 - Code must target .NET 4 runtime.

Despite there being numerous .NET Framework versions, there are only two runtime versions, .NET 2.0 and .NET 4.0.

SharePoint 2013 dlls must target .NET 4 runtime.

http://blog.furuknap.net/sharepoint-2013sharepoint-15-to-run-on-net-4-0-runtime

https://social.technet.microsoft.com/Forums/sharepoint/en-US/066b9cac-6069-45e3-a632-e910fd65a5a0/sharepoint-2013-c-application-which-is-created-using-server-object-model-api-build-with-35?forum=sharepointdevelopment

Must target x64 as well…

http://jnbridge.com/blog/what-does-any-cpu-really-mean

#### Microsoft.Practices.ServiceLocation for sharepoint 2013

http://blogs.techsmith.com/inside-techsmith/nuget-basics/

Nuget Console:  Install-Package CommonServiceLocator

Latest version is CommonServiceLocator 1.3 even though this appears to be compiled against .NET 2 runtime.

See: https://www.nuget.org/packages/CommonServiceLocator/1.3.0

The Execute method of job definition Meticulus.Sharepoint.Diagnostics.CreateLoggingEventSourceTimerJob (ID 19129765-3722-4f60-b9c8-a7bfaf9cccda) threw an exception. More information is included below. Could not load file or assembly 'Microsoft.Practices.ServiceLocation, Version=1.3.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35' or one of its dependencies. The system cannot find the file specified.

Assembly should be in GAC

C:\Windows\Microsoft.NET\assembly\GAC\_MSIL\Microsoft.Practices.ServiceLocation\v4.0\_1.3.0.0\_\_31bf3856ad364e35

Can use procexp from sysineternals to search for this dll.

Should work now, since I have included Microsoft.Practices.ServiceLocation dll in the package for my Microsoft.Practices.SharePoint.wsp

Problem with Logging:

Attempt by security transparent method 'Microsoft.Practices.SharePoint.Common.Logging.DiagnosticsService.ProvideAreas()' to access LinkDemand protected method 'Microsoft.Practices.SharePoint.Common.ServiceLocation.SharePointServiceLocator.GetCurrent()' failed. Methods must be security critical or security safe-critical to satisfy a LinkDemand.

I believe this is fixed by editing and recompiling the source for Microsoft.Practices.SharePoint.Common. This is part of the SharePoint Connector VS project.

I cannot find a simple solution to fix the problem, so I removed all method attributes "[SharePointPermission(SecurityAction.LinkDemand, ObjectModel = true)]".

http://fangdahai.blogspot.co.uk/2013/03/microsoftpracticessharepointcommon-for.html

### Problem with Form History Lock Processing by the Sharepoint Timer Service

Event manager error: Could not load file or assembly 'Meticulus.Sharepoint.DppFormUploadLibrary, Version=1.0.0.0, Culture=neutral, PublicKeyToken=4023be6e75aaae2a' or one of its dependencies. The system cannot find the file specified.

* Restart Timer Service may fix the problem.

## Warnings / Issues to Fix

* Failed to read resource file "C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\15\Resources\DppResources.en-US.resx" from feature id "(null)".
  + I just copied the DppResources. Resx but .wsp should manage this
* Not sure if the Digital Pen logging category is created by the Time Job
  + See CreateLoggingEventSourceTimerJob and comment in the source on permissions.
  + Note: running the Meticulus.Sharepoint.Diagnostics.IntegrationTests project seems to create the logging category.
* DppFormHistory locks - site collection feature is not automatically activated on new site collection creation. (Work-around manual activation of two features)
* Check Meticulus.Sharepoint.ProcessUploadQueue is in timer jobs (under monitoring). If not go into the web application and activate the ProcessUploadQueue feature.

#### DppFormBase Content Type Error

Category: Default: Microsoft.SharePoint.SPException: The object has been updated by another user since it was last fetched.

at Microsoft.SharePoint.SPContentType.UpdateOnWeb(Boolean bPushdown, Boolean ignoreSealedOrReadOnly, Boolean bThrowOnSealedOrReadOnly, Boolean bSetNextChildByteToZero, IList`1 exceptions)

at Microsoft.SharePoint.SPContentType.Update(Boolean updateChildren, Boolean ignoreSealedOrReadOnly, Boolean throwOnSealedOrReadOnly, IList`1 exceptions)

at Microsoft.SharePoint.SPContentType.Update(Boolean updateChildren, Boolean ignoreSealedOrReadOnly, Boolean throwOnSealedOrReadOnly)

at Meticulus.Sharepoint.SiteDefinition.DppFormBaseFeatureReceiver.FeatureActivated(SPFeatureReceiverProperties properties)

This is a spurious error caused by deactivating and then activating the DppFormBase content type. So don’t do it.

### DPP ASH Generic Forms

Looks like this is the error when attempting to register the same form id to a different customer.

com.meticulus.dpp.lib.DppException: spAllFormsTemplate\_V1\_PC form does not belong to customerCode (4). Verify pen is registered to correct customerCode.

at com.meticulus.dpp.lib.PortalForm.ValidateOwnershipForFormRegistration(PortalForm.java:187)

at com.meticulus.dpp.lib.PortalForm.RegisterForm(PortalForm.java:722)

## 500 Internal Error trying to connect to http://lenny/DigitalPen/Portal etc

Error is caused by host header redirection on lenny I think. Use http://fas/DigitalPen/Portal instead.

## The XML page cannot be displayed

Cannot view XML input using style sheet. Please correct the error and then click the [Refresh](javascript:location.reload()) button, or try again later.

An invalid character was found in text content. Error processing resource 'http://fas/DigitalPen/Portal/prefilledprint/getp...

%

Probably causedbecause no PDF viewer app installed on W2K12R2 server (where the browser was running).

## Declarative workflows cannot automatically start if the triggering action was performed by System Account

Remember: one cause of this which is fixable is when uing the copy item extended custom action. This is because this action runs with elevated priviledges. But this could be fixed in the code easily enough. So for eample the old meticulus move item allows subsequent workflows to trigger.

# WRS Development

* Forms by order id - might be a useful approach, for filtering
* Need validation link
* Trying to register new ERM\_Template form (set name in SharePoint site settings) but the fields in the form don’t seem to be added to the ERM\_Template content type.
  + Improve adding fields to template content type process
    - Maybe provide a method to upload the DppML to a doc library with an event handler. Uses SPAddFieldToContentType attribute remember!
    - Or use the CSOM? (Better for SharePoint Online)