**Huntington Online Banking Development Environment Installation Instructions**

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**NOTE:**

**Most of the software referenced in the document as being available at MSDN is also available from a network share (\\lawolbtfsat01\Installs\Developer). To save Huntington bandwidth (and incidentally your time), use the file from the network share rather than downloading it.**

**Installation steps**

1. Get yourself added to the local administrator group for this machine. Ask your tech lead to help you with this.
2. Get your Huntington MSDN Key
3. Confirm that you are apart of the requisite active directory groups
   * Open a command prompt and type 'gpresult /V'
   * ' The user is a part of the following security groups' section
   * See if the groups 'TestSecretStoreAdministrators', and 'Voyager Developers', and 'TFSDevelopers' are listed. If any of them are not there, please talk to your tech lead.
4. Confirm that zzjh123 (Jeff Hunsaker) is in the local administrator group.
5. Disable the Windows Firewall.
6. Install IIS 7.5 (<http://technet.microsoft.com/en-us/library/cc725762.aspx>)

* Start > Control Panel > Progams and Features > Turn Windows features on or off
* Click "Internet Information Services" and click "Ok". Also confirm that "Windows Search" is also selected. Note that the check block may become a blue square instead of a check.

1. Install “IIS Metabase and IIS6 Configuration Compatibility” for IIS

* Go to control panel > add or remove programs
* Select “Turn Windows features on or off”
* Find Internet Information Services > Web Management Tools > IIS 6 Management Compatibility
* Click the checkbox for “IIS Metabase and IIS 6 configuration Compatability”

1. Install "Virtual Clone Drive"

* Copy "Virtual Clone Drive" from the network share ([\\lawolbtfsat01\Installs\Developer\](file://lawolbtfsat01/Installs/Developer/)) (SetupVirtualCloneDrive5440.exe) to a local temporary directory and install the application.
* Execute the application and take all of the defaults
* After completing the install, click on the icon  in the system tray and select 'Automount last image'. Click 'OK'

1. Configure the ‘EAS X00AX1AI Xerox 7655’ printer by going to [Add Printers](http://intranet.huntington.com/ops_tech/Print_Optimization/AddPrinters.html)

* Find and click "Easton Printers" in the right-most column
* Find the printer in the list. A good way to do this is to search for the text of the printer by pressing control + f and entering EAS X00AX1AI Xerox 7655
* The printer name is clickable. Click the link and accept all of the defaults.

1. Install Office 2010 Professional
2. Log on to MSDN
3. Navigate to <http://msdn.microsoft.com/en-us/subscriptions/downloads/default.aspx> and search for "Office 2010".
4. Download the software named "Office Professional Plus 2010 with Service Pack 1 (x86 and x64) ". Get the product key which can be obtained from a button next to the download button.
5. Use Virtual Clone Drive to mount the ISO.
6. Install the product suite with all of the defaults.
7. Run Outlook, which should automatically sync up to the exchange server
8. Install Visio 2010 (Optional - do you like charts?)

* Log on to MSDN
* Navigate to <http://msdn.microsoft.com/en-us/subscriptions/downloads/default.aspx> and search for "Visio 2010"
* Download the software named "Visio 2010 with Service Pack 1 (x86 and x64) - DVD (English)". Get the product key which can be obtained from a button next to the download button.
* Use Virtual Clone Drive to mount the ISO.
* Install the product suite with all of the defaults.

1. Install SQL Server 2008 R2 64-Bit Developer Edition

* Log on to MSDN
* Navigate to <http://msdn.microsoft.com/en-us/subscriptions/downloads/default.aspx> and search for "SQL Server 2008 R2 Developer (x86, x64, ia64)"
* Download the software named “SQL Server 2008 R2 Developer (x86, x64, ia64)”. No product key should be needed for the install
* Use Virtual Clone Drive to mount the ISO. Note that there may be a delay after clicking on the setup executable before the installation screen is displayed
* Installation > New Installation
* Select all of the defaults until the “Feature Selection” page
* Select the following options: “Database Engine Service”, “Reporting Services”, “Client Tools Connectivity”, “Integration Services”,” Management Tools – Basic” and “Management Tools – Complete”.
* Click “Next” until the “Server Configuration” page
* Click “Use the same account for all SQL Server services”. Select the “NT AUTHORITY\NETWORK SERVICE” account. No password is needed. Click “Next”
* Select “Mixed Mode” and use “huntington#2010” as the password
* Under “Specify SQL Server Administrators” click “Add”. Enter “\*\*\*\*\administrators” where “\*\*\*\*” is the name of your computer.
* Click “Next” until the “Installation” page.
* Click “Install”
* Confirm that Windows Authentication is working for SQL Server
  1. Launch SQL Management Studio
  2. Set the Server Name to “(local)”
  3. Set the Authentication to “Windows Authentication”
  4. Click “Connect”
  5. If you fail to connect, perform the steps below
     1. Change the Authentication to “SQL Server Authentication”
     2. Change Login to “sa”
     3. Enter a Password of “huntington#2010”
     4. If it is not there, add ‘BUILTIN\administrators’ as a new login and be sure to add “sys admin” as one of the server roles.
     5. If you still can’t connect with Windows Authentication, add your HBIUSERS account as a new login and with the “sys admin” role.
* Add the Voyager Developers group to the login list
  1. Create a new login
  2. Find the “HBIUsers\Voyager Developers” group by searching in the “hbiusers.hbicorp.huntington.com” location. Make sure that the object types includes “Groups”
  3. Be sure to add “sysadmin” as a role for this login.
* Setup SQL Server Configuration Manager
  1. Launch “SQL Server Configuration Manager”. This can be found at Start > Microsoft SQL Server 2008 R2 > Configuration Tools > SQL Server Configuration Manager
  2. Click on SQL Server Network Configuration
  3. Click on Network Protocols for MSSQLSERVER (or whatever the SQL Server instance is named)
  4. Right-click on TCP/IP and select "Enable" (required for the Voyager installer)
  5. Click on the warning that SQL Server will need to be restarted
  6. Restart your pc

1. Install Visual Studio 2010 Ultimate

* Log on to MSDN
* Navigate to <http://msdn.microsoft.com/en-us/subscriptions/downloads/default.aspx> and search for "Visual Studio 2010 Ultimate".

1. Connect to TFS and download the source code

* In visual studio, connect to the tfs server (<http://tfs.internal.huntington.com>)
* Select project ‘OLB Voyager Upgrade 4.0’
* Create a directory on the local drive (eg ‘c:\src’)

1. **It is best to keep the directory on the root and keep it short as Visual Studio will have trouble with the long path names on deep files in the project**

* Click on Source Control in the Team Explorer pane of Visual Studio
* Click on the ‘Map Local Path’ option and set it to the directory created above.

1. Install IBM WebSphere MQ
   * Copy IBM WebShere MQ (“mqc7\_7.0.1.3\_win.zip”) from the network share ([\\lawolbtfsat01\Installs\Developer\](file://lawolbtfsat01/Installs/Developer/)) to your c:\temp folder
   * Unzip mqc7\_7.0.1.3\_win.zip
   * Run Windows\Setup.exe from the unzipped contents
2. Install Voyager
   * Refer to the Voyager Installation document