

INSTALLING perMIT WEB and XAMPP on WINDOWS 7

- 1) Install Xampp and verify as per the Xampp instructions. I download and installed xampp-win32-1.7.3.exe (there was no x64 version).
- 2) Get a MySql dump from auth-dev-permit1.mit.edu and import it into the Xampp MySql server. You can use phpMyAdmin to import the permit1 dump. Once the dump has been imported, change the MySql root password (you will have to get the original password from AMIT).
- 3) Download ActivePerl64 to your workstation from <http://www.activestate.com/activeperl/>

I downloaded the Windows (64-bit, x64) msi (ActivePerl-5.10.1.1007-MSWin32-x64-291969.msi). The reason I used ActivePerl is because I wanted a 64 bit version.

If you wish, you can use the Perl that comes with Xampp.

- 4) If you want to install ActivePerl64, then create the directory c:\usr and install ActivePerl64 to the c:\usr directory.

If you want to use the Perl that comes with Xampp, then execute the following command line:

mklink usr c:\xampp\perl

- 5) From the control Panel, verify that c:\usr\site\bin;c:\usr\bin has been added to the PATH environment variable.
- 6) Install the MySql Perl modules using the command lines:

**ppm install DBI, and
ppm install DBD::mysql**

- 7) Configure /xampp/apache/conf/httpd.conf, /xampp/apache/conf/extra/httpd-xampp.conf, httpd-ssl.conf and perl.conf. You will need server certificates for your workstation. You will also need the mitCA.pem.

I've included my configuration files.

- 8) Create the directories /var/www/html, /var/www/cgi-bin and /var/www/permit
- 9) Get a copy of **dbweb.config** from auth-dev-permit1.mit.edu (found in /var/www/permit) and copy it to /var/www/permit on your work station.
- 10) check out from svn:

- a) at /var/www/cgi-bin, do the svn checkout svn+ssh://svn.mit.edu/permit/cgi-bin
- b) at /var/www/html. do the svn checkout svn+ssh://svn.mit.edu/permit/html

11) Install SUA (Subsystem for Unix-based Applications)

From the **Control Panel**, select **Program and Features**, then from the **Program and Features** window, select from the left panel **Turn Windows features on or off**. A **Windows Features** panel will appear and list all of the currently available features. Scroll through the list and find and select **Subsystem for Unix-based Applications**.

Once the **Subsystem for Unix-based Applications** has been installed, restart your workstation.

12) Install the Utilities and SDK for Unix-based Applications

Once the **SUA** feature is turned on and your workstation has been restarted, the next step is to download the **Utilities and SDK**. From the **Start** menu, under **All Programs**, then under **Subsystem for Unix-based Applications** you can find the link to download the **Utilities and SDK** from Microsoft.

I downloaded and installed the AMD64 installer.

note: A common mistake, when installing the **Utilities and SDK**, is to just accept the default installation. The default install does not include the GNU utilities and GNU SDK. See <http://www.interopsystems.com/community/> for more information.

13) set the following environmental variables:

ORACLE_HOME
PATH to include %ORACLE_HOME%
PERMIT_CONFIG_HOME to /var/www/permit
ROLES_CONFIG to /home/www/permit/feeds/lib/roles_config
ROLES_HOMEDIR to /home/www/permit/feeds/

14) download and install the Oracle client from

<http://www.oracle.com/technology/tech/oci/instantclient/index.html>