Setting up / building WEPS Web Start Sources

Presently, this is all within Windows.

1. Introduction

Need a common base directory for all of these steps. we will name it {commonBaseDir}.

Ex: my {commonBaseDir} is C:\Users\george\Documents\NetBeansProjects

All directory names need to be exactly as specified. Many of the build functions and depend on this relative directory structure based on everything following {commonBaseDir}.

2. Projects.

csip-core

Make directory: {commonBaseDir}\csip-core

Checkout:

> from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-core
> to: {commonBaseDir}\csip-core

Build with Netbeans.

weps.ws.CsipUtils

Make directory: {commonBaseDir}\weps.ws.CsipUtils

Checkout:

> from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsWebStartUtils/trunk/weps.ws.CsipUtils
> to: {commonBaseDir}\weps.ws.CsipUtils

Build with Netbeans.

weps.ws.javaCerts

Make directory: {commonBaseDir}\weps.ws.javaCerts

Checkout:

> from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsWebStartUtils/trunk/weps.ws.javaCerts
> to: {commonBaseDir}\weps.ws.javaCerts

weps.gui-webstart

NOTE: directory name structure!

Make directory: {commonBaseDir}\weps.gui-webstart

Make directory: {commonBaseDir}\weps.gui-webstart\weps.gui-webstart

Checkout:

> from: https://infosys.ars.usda.gov/svn/code/weps1/branches/weps.gui-webstart
> to: {commonBaseDir}\weps.gui-webstart\weps.gui-webstart

weps.install

NOTE: directory name structure!

Make directory: {commonBaseDir}\weps.gui-webstart\weps.install

Checkout:

(some version of weps.install. I used the following)

> from: https://infosys.ars.usda.gov/svn/code/weps1/trunk/weps.install
> to: {commonBaseDir}\weps.gui-webstart\weps.install

weps.cfg

The only change in weps.install for Web Start is the file weps.cfg. I did not SVN the Web Start install. I added weps.cfg into the weps.gui-webstart tree for SVN. Now we need to copy it.

Copy:
>from: {commonBaseDir}\weps.gui-webstart\weps.gui-webstart\src\usda\weru\weps\webstart\weps.cfg
>to: {commonBaseDir}\weps.gui-webstart\weps.install\cfg\weps.cfg

Build weps.gui-webstart

weps.gui-webstart should now be ready to build. Build with Netbeans.

Csip support:

weps.ws.CsipRunner

Make directory: {commonBaseDir}\weps.ws.CsipRunner

Checkout:
>from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsWebStartUtils/trunk/weps.ws.CsipRunner
>to: {commonBaseDir}\weps.ws.CsipRunner

Build with Netbeans.

Csip Data Installers:

csip-weps-dataSupport

Make directory: {commonBaseDir}\csip-weps-dataSupport

Checkout:
>from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-weps-dataSupport
>to: {commonBaseDir}\csip-weps-dataSupport

Build with Netbeans.

csip-weps-data-bin

Make directory: {commonBaseDir}\csip-weps-data-bin

Checkout:
>from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-weps-data-bin
>to: {commonBaseDir}\csip-weps-data-bin

Build with Netbeans.

csip-weps-data-cfg

Make directory: {commonBaseDir}\csip-weps-data-cfg

Checkout:
>from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-weps-data-cfg
>to: {commonBaseDir}\csip-weps-data-cfg

Build with Netbeans.

csip-weps-data-db

Make directory: {commonBaseDir}\csip-weps-data-db

Checkout:
>from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-weps-data-db
>to: {commonBaseDir}\csip-weps-data-db

Build with Netbeans.

csip-weps-data-help

Make directory: {commonBaseDir}\csip-weps-data-help

Checkout:

from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-weps-data-help

to: {commonBaseDir}\csip-weps-data-help

Build with Netbeans.

csip-weps-data-images

Make directory: {commonBaseDir}\csip-weps-data-images

Checkout:

from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-weps-data-images

to: {commonBaseDir}\csip-weps-data-images

Build with Netbeans.

csip-weps-data-mcrew_cfg

Make directory: {commonBaseDir}\csip-weps-data-mcrew_cfg

Checkout:

from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-weps-data-mcrew_cfg

to: {commonBaseDir}\csip-weps-data-mcrew_cfg

Build with Netbeans.

csip-weps-data-tables

Make directory: {commonBaseDir}\csip-weps-data-tables

Checkout:

from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-weps-data-tables

to: {commonBaseDir}\csip-weps-data-tables

Build with Netbeans.

Csip Science models:

csip-cligen

Make directory: {commonBaseDir}\csip-cligen

Checkout:

from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-cligen

to: {commonBaseDir}\csip-cligen

Build with Netbeans.

csip-windgen

Make directory: {commonBaseDir}\csip-windgen

Checkout:

from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-windgen

to: {commonBaseDir}\csip-windgen

Build with Netbeans.

csip-weps

Make directory: {commonBaseDir}\csip-weps

Checkout:

from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsCsip/trunk/csip-weps

to: {commonBaseDir}\csip-weps

Build with Netbeans.

WEPS Csip GUI:

(not needed now, but still part of build process presently) Still presents a method for offering the cert to a first time install

weps.ws.CsipGui

Make directory: {commonBaseDir}\weps.ws.CsipGui

Checkout:

from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsWebStartUtils/trunk/weps.ws.CsipGui
to: {commonBaseDir}\weps.ws.CsipGui

Build with Netbeans.

WEPS Web Start Installer:

builds a distribution for a server. Has no source of its own, pulls from all of the above.

weps.ws.installer

Make directory: {commonBaseDir}\weps.ws.installer

Checkout:

from: https://infosys.ars.usda.gov/svn/code/spare_parts/wepsWebStartUtils/trunk/weps.ws.installer
to: {commonBaseDir}\weps.ws.installer

Build with Netbeans.

Then, need to run Ant script to make a version for a specific server. The Ant script is in buildServerVer.xml. There is an invocation example in the file: buildServerVerEample.bat.

Ex: (from command line) Choose a name for your distribution build: {choose-a-distribution-name}

call ant -buildfile buildServerVer.xml -Dweps.wsi.opt.serverName=http://wind.weru.ksu.edu/webstart/{choose-a-distribution-name}

After the Ant script runs, your distribution will be built into the directory:
{commonBaseDir}\weps.ws.installer\distVersions\{choose-a-distribution-name}.

Copy

from: {commonBaseDir}\weps.ws.installer\distVersions\{choose-a-distribution-name}
to: http://wind.weru.ksu.edu/webstart/{choose-a-distribution-name}

Then browse to: http://wind.weru.ksu.edu/webstart/{choose-a-distribution-name}/wepsCsip.html