

On-Site Deployment Instructions

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What to Bring

If you are bringing a new version of PINT or ISSL, then you need to follow the [Official Release](#) instructions to generate the appropriate archives. Otherwise skip to "Packaging"

Official Release

1. Follow the [Release Checklist](#) found in `project-trunk/conf/release-templates` to build the release archive.

Packaging

1. Create a directory with the name: YYYY_MM_DD-{project}-deploy (e.g. 2010_03_25-PINT-deploy) with the following contents:
 1. Latest copy of the Ivy repository from loki (e.g. ivy-repo.tar.gz). See [HowToCreateIvyArchive](#).
 2. Official release archive as {project}-{version}.zip (if this is an official release).
 3. Latest snapshot of the SVN repository trunk for the project as {project}-source.zip. If this is an official release, then that file will already be inside the official release archive.
2. Copy the directory to your thumbdrive or a blank CD.
3. Lock the thumb drive or ensure the CD is closed (no longer writable).

Deploying to Server (e.g. issl, apollo, nstd-apollo, etc)

1. Virus scan the locked thumb-drive or CD.
2. Attempt to copy to the thumb-drive to ensure the write-lock is functional.
3. Copy the delivered directory to `c:/bbn/delivered/from_bbn`.
4. If an official release, extract the delivered release archive into its current location. (So you can get at the files).
5. Rename `c:/bbn/ivy-repo/local` to `c:/bbn/ivy-repo/local-bak`.
6. Extract the ivy-repo.tar.gz file to `c:/bbn/ivy-repo/local`.
7. Rename `c:/bbn/svn/{project}-trunk` to `c:/bbn/svn/{project}-trunk-bak`.
8. Extract the {project}-source.zip file to `c:/bbn/svn/{project}-trunk`.

9. Copy `c:/bbn/svn/ivysettings.xml` to `c:/bbn/svn/{project}-trunk/conf`, overwriting the one already there.
10. Open a command shell to `c:/bbn/svn/{project}-trunk` and run `ant`.
11. If the build works, delete the 2 `-bak` directories that you created. Otherwise, debug.
12. If installing an official release, follow the appropriate instructions below. Otherwise you're finished. Make sure you adhere to the directory structure guidelines described below.

Update PINT Release

1. Open the Glassfish Admin Interface in Firefox (`http://localhost:4848`).
2. Login with admin : issIPassw0rd!
3. Click on `Applications->Enterprise Applications` and undeploy Pint.
4. Click on `Custom MBeans` and undeploy the `PintConfiguration` management bean.
5. Stop and start Glassfish using the Windows Services interface (Run `services.msc`).
6. Log back into the Glassfish Admin Interface.
7. Click on `Custom MBeans` in the left menu and click Deploy.
8. Browse to the appropriate `pint-mgmt.jar` in the files you brought (each environment should have its own pre-built binaries).
9. Enter the class implementation name as
`com.bbn.c2s2.pint.mgmt.PINTConfigurationMXBeanImpl`.
10. Click `Next`.
11. Set the Name to `PINTConfiguration`.
12. Click `Finish`.
13. Click on `Applications->Enterprise Applications` in the left menu.
14. Click `Deploy`.
15. Browse to the appropriate `pint.ear` file in the files you brought.
16. Click `Deploy`.
17. If you brought a new version of the PINT test client, delete the old one at `c:/bbn/pint-client` and extract the new one there.
18. Test the PINT deployment using the PINT test client.

Deployment Directory Structure

In order to keep things consistent between servers and between developers, the following directory structure needs to be followed for anything you copy to the servers. Everything we put on the test servers should be under the `c:/bbn` directory.

```
c:/bbn/  
  /installers/ - 3rd party installers and zip files  
  /datasources/{data-source-name} - All data, docs, schema and working files  
  /delivered/[from_apl, from_bbn] - Archive of every CD or thumb-drive upload  
  /docs/ - Documentation copied to this system about 3rd party software or  
  /eclipse/ - Installation directory for Eclipse  
  /glassfish/ - Installation directory for glassfish  
  /ivy-repo/local - Copy of the Ivy Repository from loki.bbn.com  
  /parliament/ - Parliament install directory  
  /pint-client/ - PINT Test Client installation directory  
  /runtime-config/ - Configuration files used by the running servers  
    /issl-config/ - ISSL config files  
    /pint-config/ - PINT config files  
  /svn/{project}-trunk - SVN repository exports from loki.  
  /workspaces/{workspace-name} - common location for all Eclipse workspaces
```

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