



z/TPF V1.1

2013 TPF Users Group Managing TPF Toolkit

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TPF Toolkit Taskforce

AIM Enterprise Platform Software
IBM z/Transaction Processing Facility Enterprise Edition 1.1

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Agenda

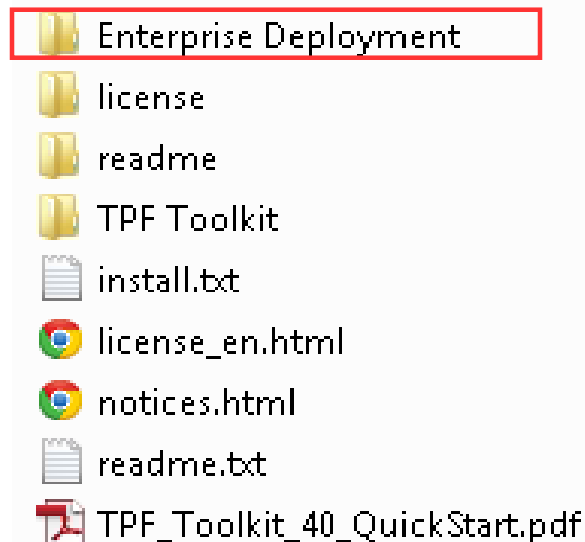
- **Why IBM Installation Manager?**
- **Installing TPF Toolkit**
 - Unattended Silent Install
 - Installing Interim Fixes
- **Creating and managing configurations**
 - Scenario 1: New configuration
 - Scenario 2: Multiple configurations
- **Questions**

Why IBM Installation Manager?

- **Used by several products as install mechanism**
 - Administrators may already know how to deploy products that use IBM Installation Manager
- **Removes the need to maintain, update and release internal update sites for every Interim Fix**
 - Remote enterprise configurations are easier to manage and deploy to end users

Installing TPF Toolkit

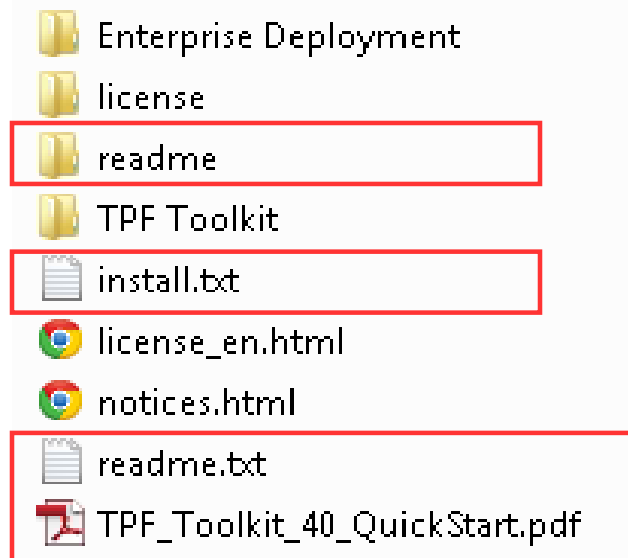
- **Download TPF Toolkit V4.0 from Passport Advantage**



- **Contains *launchpad.exe* to begin workstation installation**
- **Contains *Packaging Utility***
 - Used to create internal TPF Toolkit repository

Installing TPF Toolkit

- **Download TPF Toolkit V4.0 from Passport Advantage**



- **install.txt lists basic installation steps**
- **readme.txt lists system requirements**
- **Quick Start Guide provides more details on installation**
 - Contains links to online documentation

Installing TPF Toolkit – Basic client install

- Execute ***launchpad.exe*** from **Enterprise Deployment folder**
 - Run IBM Installation Manager 1.5.2 installer



Installing TPF Toolkit – Internal repository

- Execute *launchpad.exe* from Enterprise Deployment folder
 - Run IBM Packaging Utility 1.5.2



Installing TPF Toolkit – Internal repository

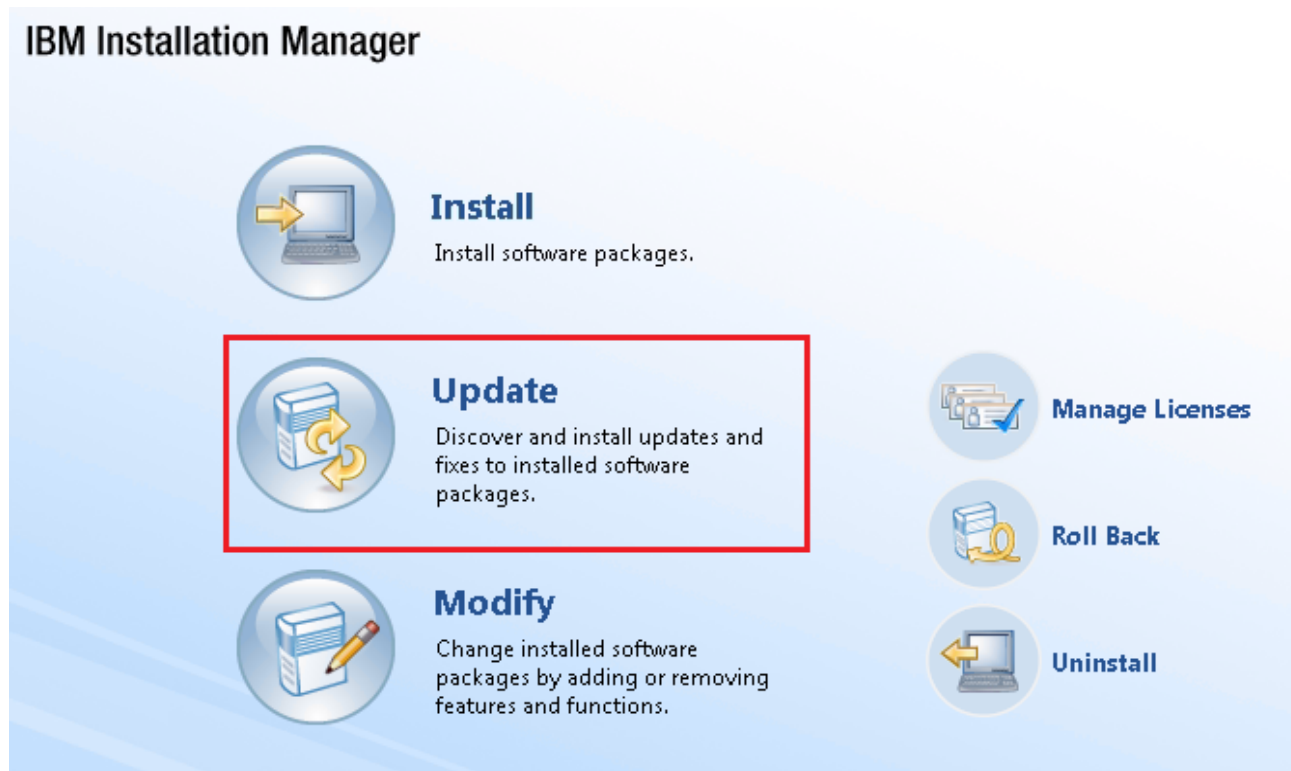
- **Copy packages to an internal server**
- **Install IBM Installation Manager on workstation**
- **Generate a *response file*:**
 - A response file contains information on installing an instance of TPF Toolkit
 - Response files can be used for unattended silent installations
- **Provide response file and IBM Installation manager to your users**



Demo – Internal repository and silent install

Installing TPF Toolkit Interim Fixes

- **Use Packaging Utility to copy files to internal server**
- **Users can Update through IBM Installation Manager**

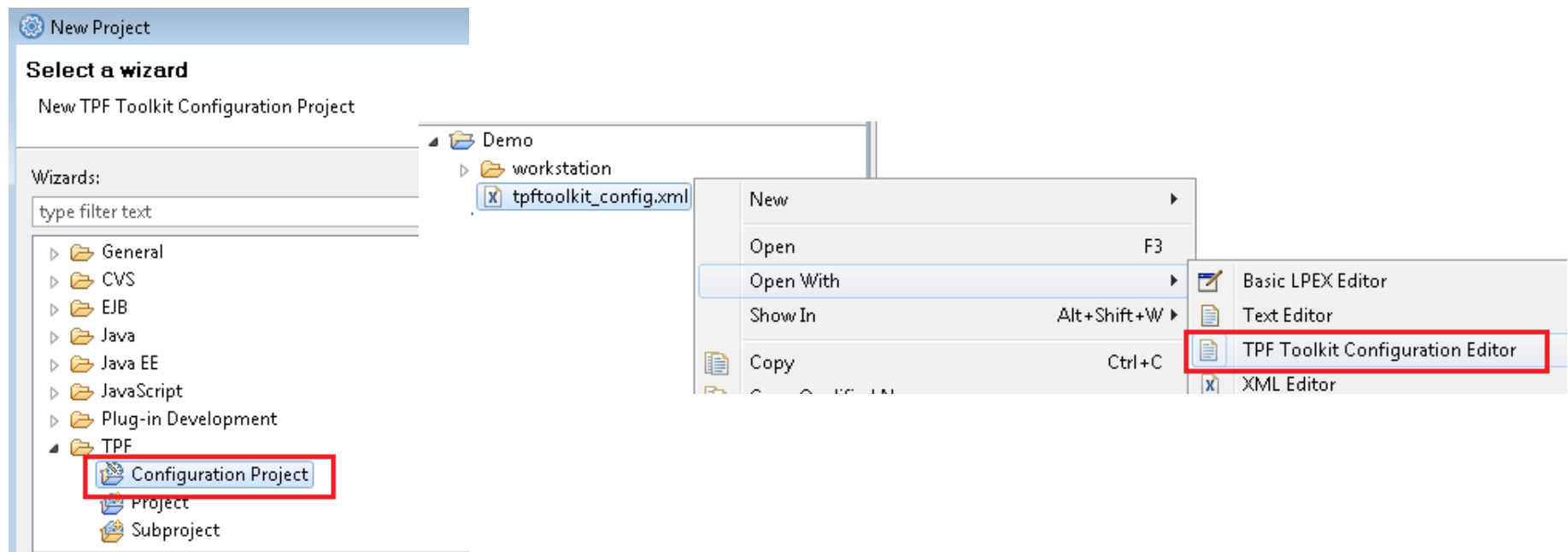




Questions?

Creating and Managing Configurations

- **Enterprise configurations are created and managed in TPF Toolkit**
 - Custom project type: TPF Configuration Project
 - Custom editor: TPF Toolkit Configuration Editor



Creating and Managing Configurations

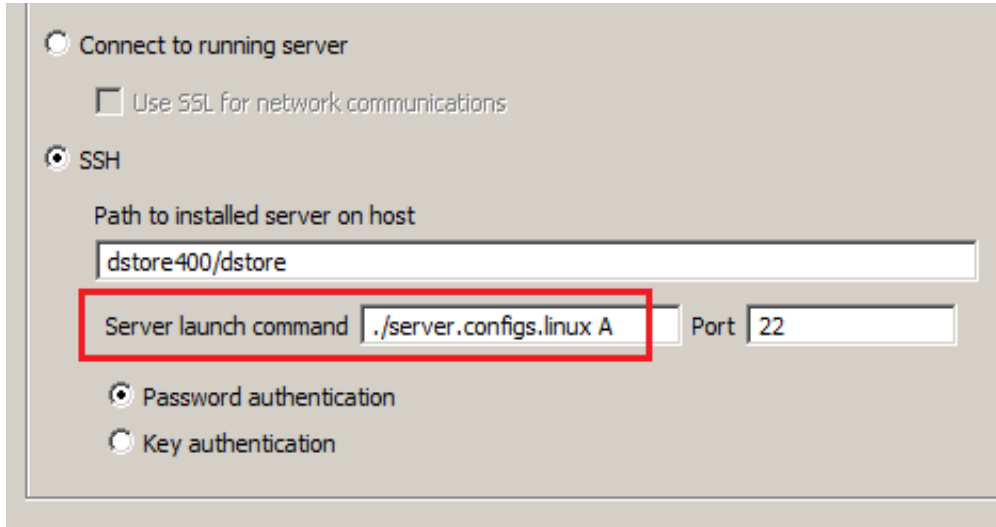
- **Steps to create/update and deploy a configuration:**
 - Create/update the configuration using the TPF Toolkit Configuration Editor
 - Upload the configuration to your remote host
 - Action available in the editor
 - When user connects to remote host through TPF Toolkit, the configuration is automatically discovered
 - User is prompted to apply the update
- **Note:** This mechanism requires a variable to be defined in the RSE dstore server on remote host (one-time only)

Demo scenario – New configuration

Scenario – Multiple configurations

- **Example: Production vs Test configurations**
- **Recommendation: separate configuration folders on remote system**
 - Use a custom launcher script + variable to set `config.folder` environment variable
 - Refer to the environment variable in `server.linux` script shipped by TPF Toolkit

Scenario – Multiple configurations



Connect to running server

Use SSL for network communications

SSH

Path to installed server on host

dstore400/dstore

Server launch command **./server.configs.linux A** Port 22

Password authentication

Key authentication

- **Set launch command to custom script and specify variable**

- **tpftool CreateRSE and ModifyRSE services enhanced to allow spaces in -script parameter**
 - `tpftool -s createRSE ... -script ./server.configs.linux A ...`

Scenario – Multiple configurations

```
#!/usr/bin/perl
$mode = $ARGV[0];
print "MODE = $mode\n";

if ($mode eq 'A') {
    $ENV{config.folder}="/home/majmal/tpftk-configs";
    system("./server.linux");
} elsif ($mode eq 'B') {
    $ENV{config.folder}="";
    system("./server.linux");
} else {
    die("INVALID MODE SPECIFIED. Exiting.\n");
}
```

- Set value of config.folder environment variable according to argument

Scenario – Multiple configurations

- Use `config.folder` environment variable to start `dstore` server

```
system("java -Xscmx5m -Xshareclasses:name=RSE%g,groupAccess,nonfatal -Xms10m -Xmx64m -DA_PLUGIN_PATH=\$A_PLUGIN_PATH -DDSTORE_SPIRIT_ON=true -DSPIRIT_EXPIRY_TIME=30 -DSPIRIT_INTERVAL_TIME=30 -DDSTORE_SEARCH_ONLY_UNIQUE_FOLDERS=false -Xgcpolicy:gencon -Dfile.encoding=ISO-8859-1 -DCPP_CLEANUP_INTERVAL=60000 -Dbackupfiles=false -Dconfig.folder=$ENV{config.folder} org.eclipse.dstore.core.server.Server $port $timeout");
```

Questions?

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