# EAI - Git and webMethods



## How to use Git with webMethods

### Prerequisites

- New ESB Starter Guide

### Methodology

We'll be following the Atlassian methodology of a Git Branch Workflow

https://www.atlassian.com/git/tutorials/comparing-workflows/gitflow-workflow

### Steps

#### JIRA

1. Create a JIRA issue for the new piece of development work - Bug, CR etc
2. In the JIRA issue, under Development, click on Create Branch


3. Select the Repository based on which server the code change will occur. If you have multiple servers to change the code, then create separate branches for each repository
4. Select the Branch type based on issue type (Bug/Defect -> Bugfix, Feature Request/Interface -> Feature, Change Request -> Release etc)
5. Select "**develop**" in the Branch from

6. Click on Create branch

# Local Machine (Designer)

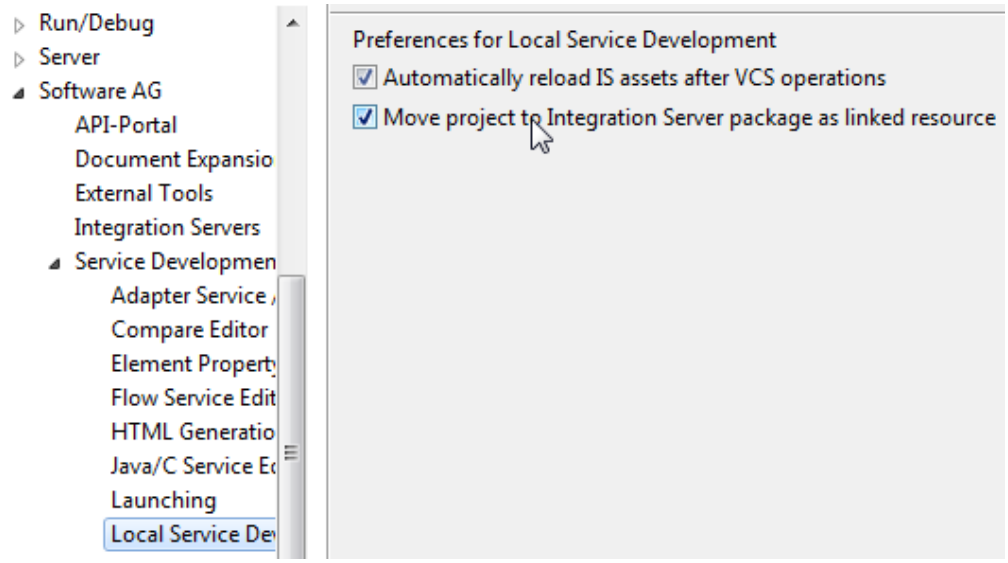
## User setup

In a terminal, run the following commands

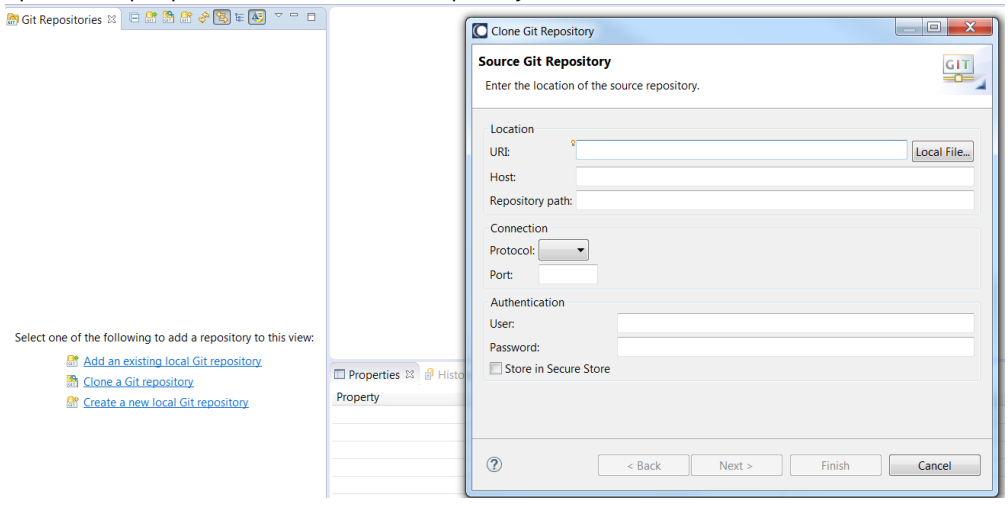
```
# replace firstName and lastName with your own details
git config --global user.name "lastName, firstName"
git config --global user.email "firstName.lastName@news.com.au"
```

## Importing Git packages to IS

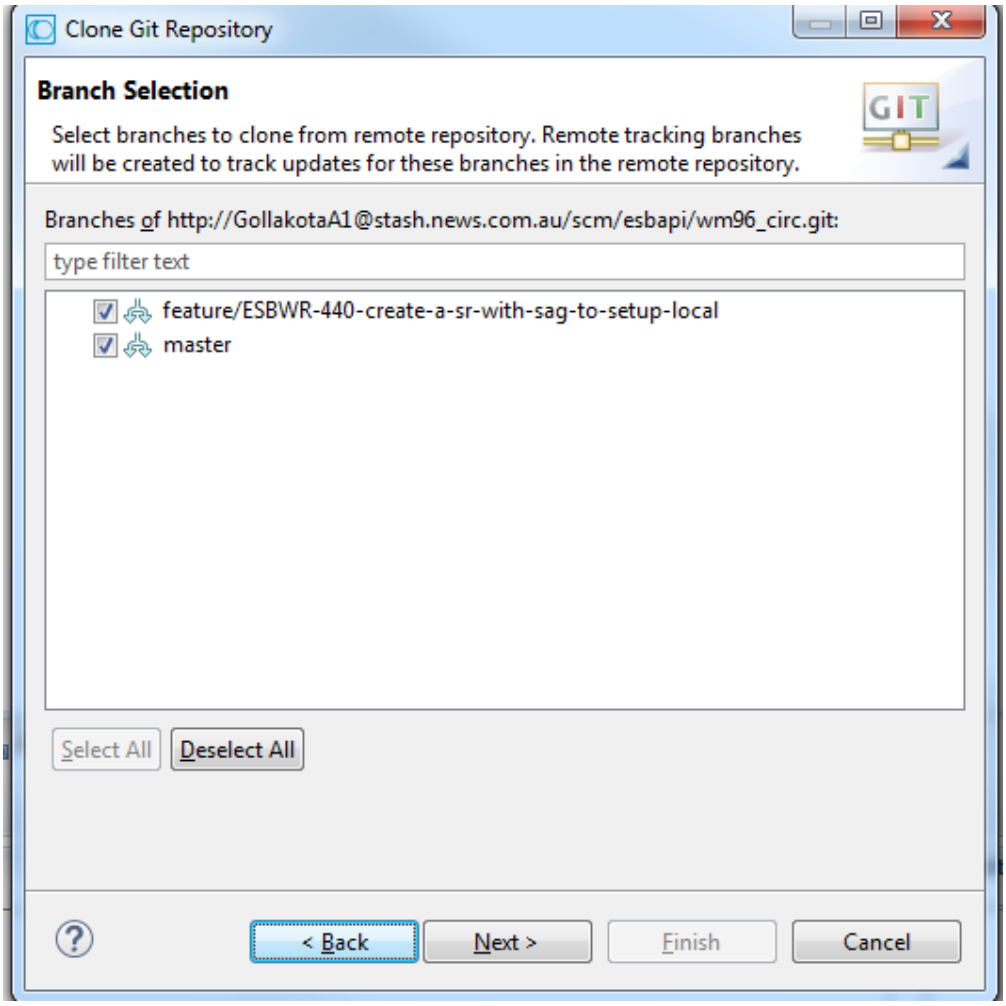
1. Open Designer
2. Go to the Preferences and select the Local Service Development
3. Ensure both boxes are ticked:



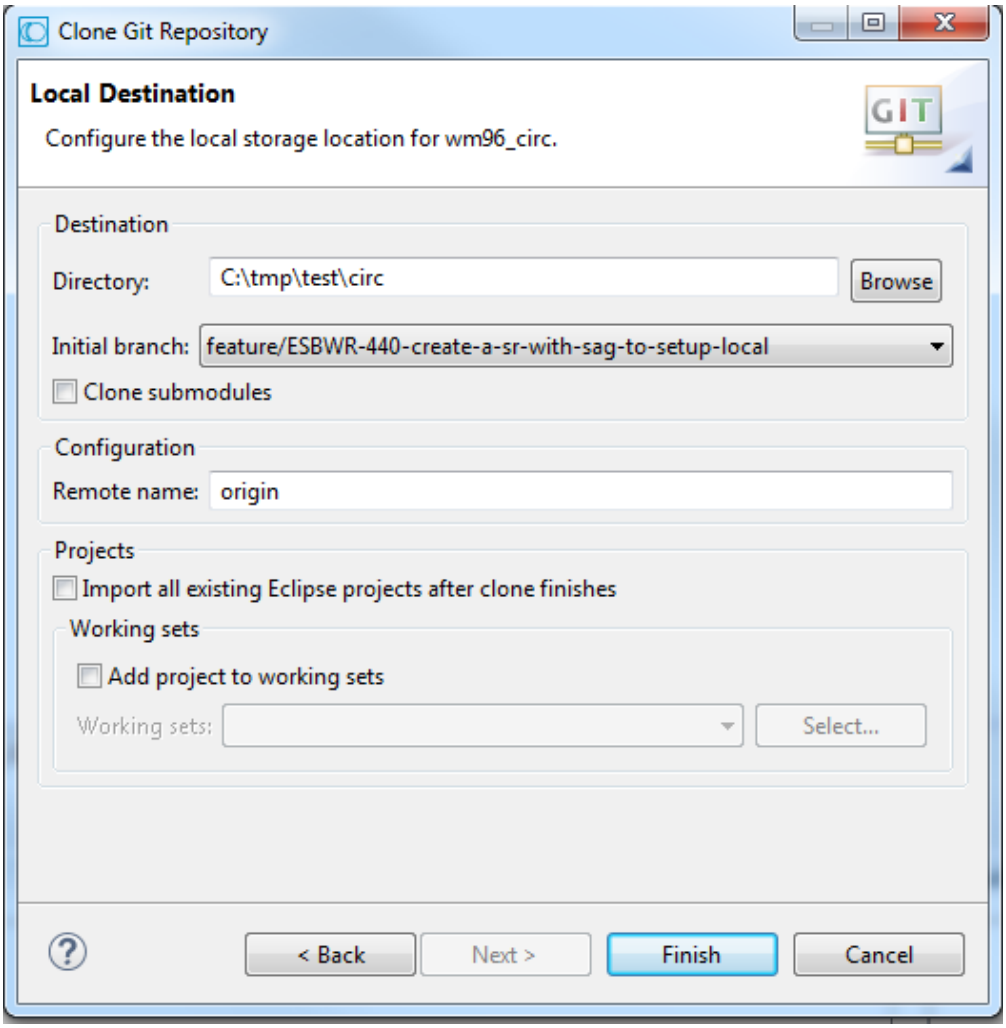

4. Open the Git perspective and click on Clone Repository and enter the details



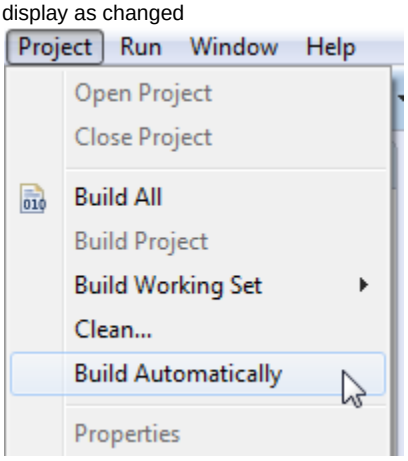

5. Select your branch from above



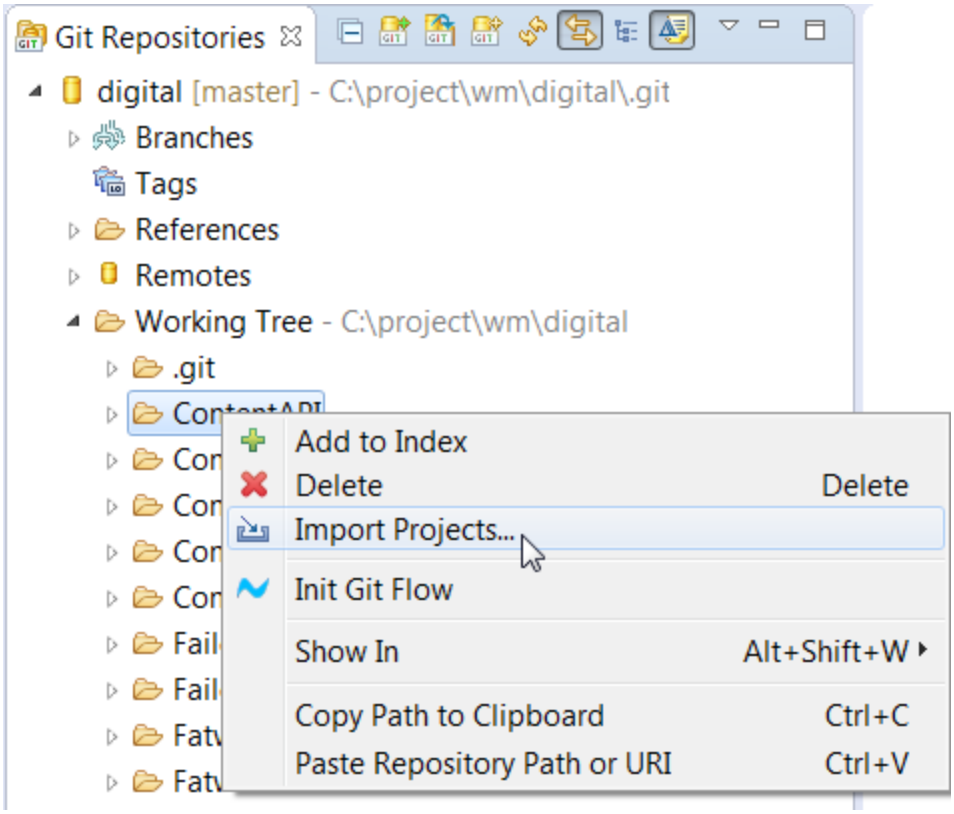

6. Select a folder and set the initial branch to be your feature



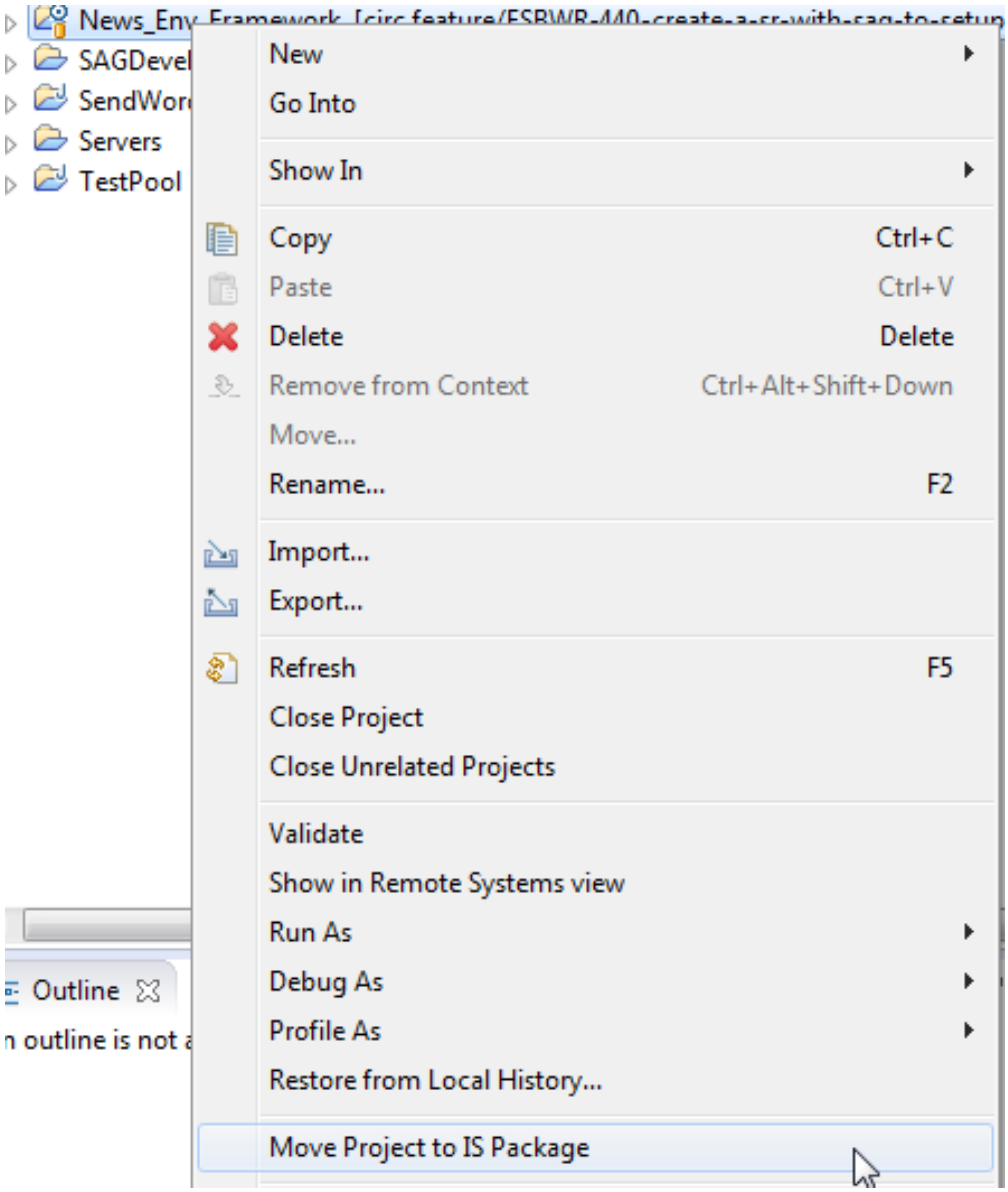

7. Before you import any packages, ensure that you turn off the build automatically, otherwise the Java services will recompile and it'll display as changed



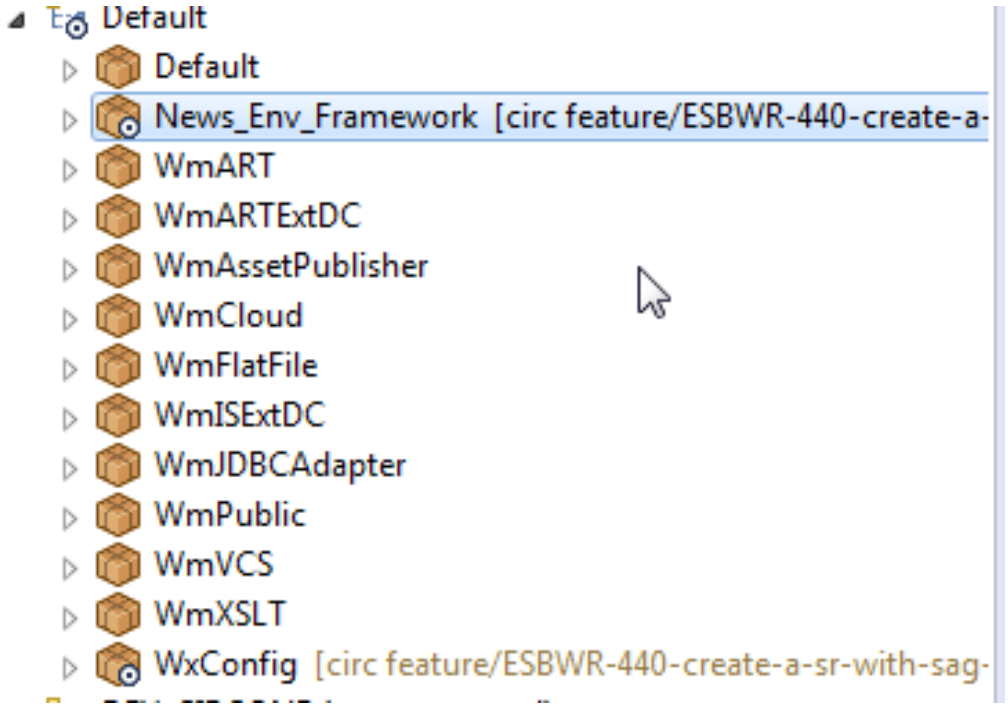

8. Now you can import the packages into your instance




9. Click on Next until Finish
10. Go to the Project Explorer perspective
11. Right click on your package and select "Move to Project to IS package"

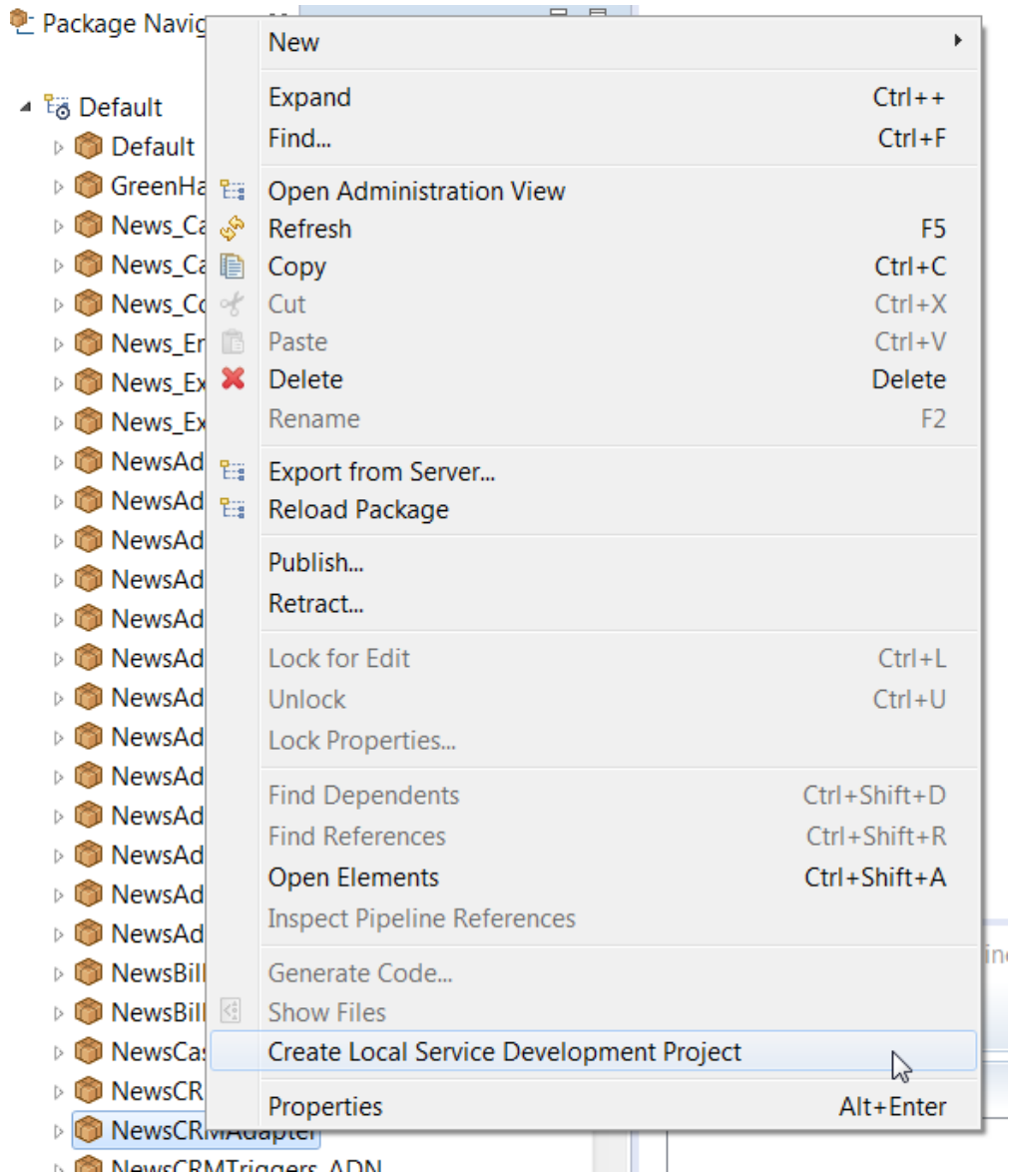



12. You should now see the package in your local instance along with the repo/branch it's using

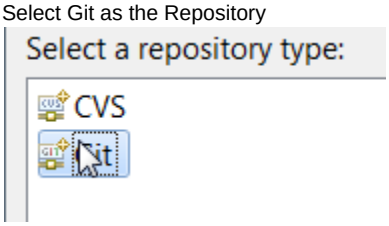



### Converting IS packages to Local Service Project Git

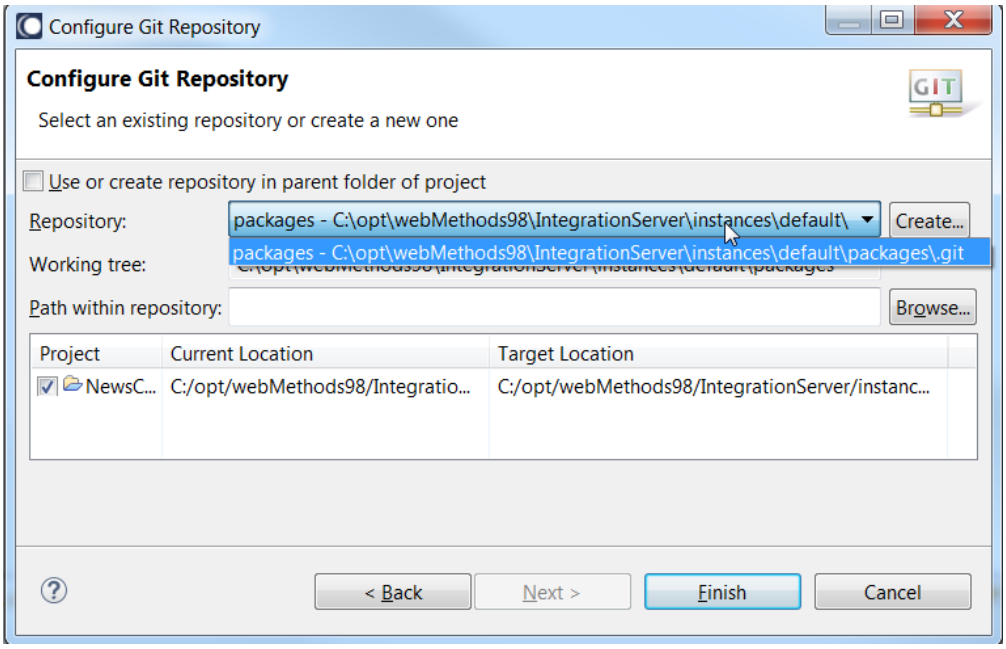
1. Create a new package or use an existing package in Designer and add the services
2. Right click the package and click on Create Local Service Development Project



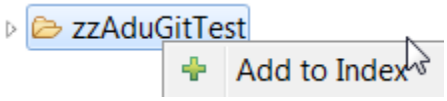

3. Select Git as the Repository



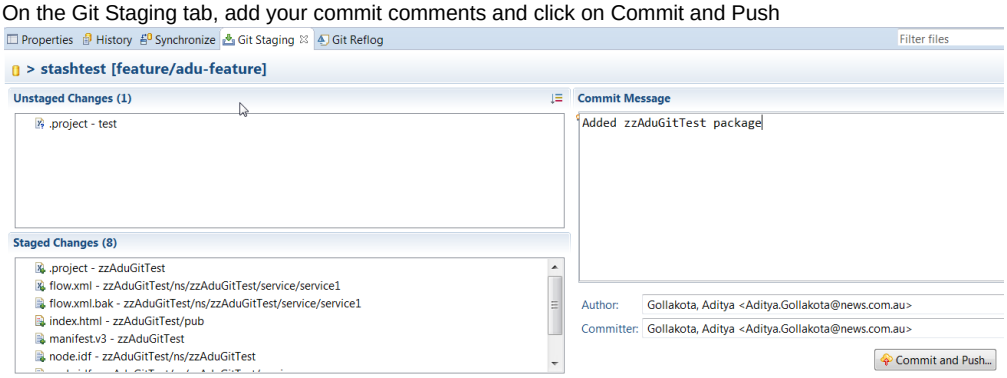

4. Select the repository in the drop down and click Finish



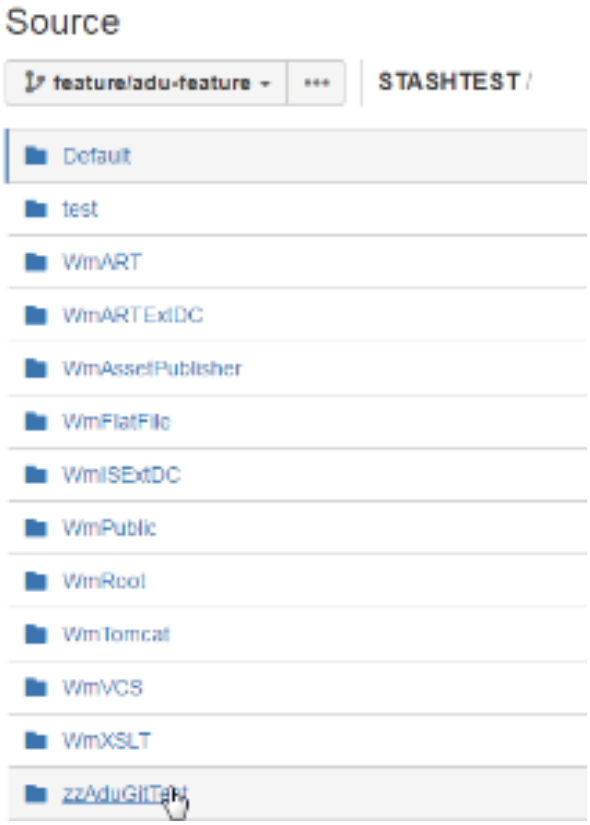

5. Go to the Git perspective and Right Click on any new package that you just created. Click on Add to Index




6. On the Git Staging tab, add your commit comments and click on Commit and Push




7. Once your changes have been pushed, you should see it in the repository under the branch




## Deleting packages from local IS, but leaving in repository

1. In Package Navigator view, right-click a local service development project and select Team > Disconnect
2. Navigate to the Project Explorer and Delete the project associated, but ensure that you don't delete from disk
3. Go to the filesystem (C:\opt\webMethods912\IntegrationServer\instances\default\packages) and delete the package shortcut there
4. Go to the IS Admin screen and delete the package