

## CREATE A RELEASE BRANCH

```
svn copy $REPO/trunk $REPO/branches/$BRANCH_NAME
```

### PORT BUGFIX ON RELEASE BRANCHE (single commit N)

```
cd branch_workingCopy_dir
svn merge --dry-run -r N-1:N $REPO/branches/$BRANCH_NAME
svn merge -r N-1:N $REPO/branches/$BRANCH_NAME
svn commit -m"JARA-YYY: back porting of commit N, fixing JIRA-XXX"
```

### PORT BUGFIX ON RELEASE BRANCHE (range of commit N-M)

```
svn merge --dry-run -r N-1:M $REPO/branches/$BRANCH_NAME
svn merge -r N-1:M $REPO/branches/$BRANCH_NAME
svn commit -m"JARA-YYY: back porting of commit N-M , fixing JIRA-XXX"
```

**IN CASE OF RANGE OF COMMIT SOLVING DIFFERENT ISSUES, PREFER MULTIPLE SINGLE BACK PORTING THAN ONE RANGE COMMIT. TRY TO USE RANGE BACKPORTING JUST WHEN ONE FIXES NEEDED A RANGE OF COMMIT ON TRUNK**

## CREATE A PERSONAL BRANCH

```
svn copy $REPO/trunk $REPO/branches/$BRANCH_NAME -m"created branch"
svn co $REPO/branches/$BRANCH_NAME branch_workingCopy_dir
cd branch_workingCopy_dir
svnmerge init
svn commit -m"svnmerge initialized"
```

### MERGING FROM TRUNK TO PERSONAL BRANCH (FREQUENTELLY)

```
cd branch_workingCopy_dir
svnmerge merge
svn commit -m"merged trunk to branch"
```

### MERGING INTO TRUNK FROM PERSONAL BRANCH

```
cd branch_workingCopy_dir
svnmerge merge
svn commit -m"last merge of trunk to branch"
remove property used to track merges
svnmerge uninit
svn commit -m"svnmerge uninit"
cd trunk_workingCopy_dir
svn update
get the revision number....suppose 346
svn merge --dry-run $REPO/trunk@346 $REPO/branches/$BRANCH_NAME@346
svn merge $REPO/trunk@346 $REPO/branches/$BRANCH_NAME@346
svn commit -m"reported changes from $BRANCH_NAME trunk"
svn delete $REPO/branches/$BRANCH_NAME@346
```