OSG ReSS Information Gatherer Build Instructions

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Document Change Log

Version	Date	Change Description	Prepared By
V 1.0	05/20/2009	First Version of the Document	Parag Mhashilkar
V 1.1	08/24/2009	Update information about version v1.x.x branch	Parag Mhashilkar
V 1.2	10/29/2009	Updated ReSS code checkout section	Parag Mhashilkar

1. Introduction

This document describes the steps required to build ReSS Information Gatherer (IG) rpm. Initial document was written by Tanya Levshina, and included instructions for building, installation and configuring IG.

2. Creating RESS rpm

2.1 Pre-Requisites

Following products need to be installed before the ress rpm could be build –

Software	Version	Comments
Java	1.4+	Preferable to get it from VDT
Ant	1.6.5+	Preferable to get it from VDT
ress_thirdparty	V1.1+	ReSS dependencies libraries. Use the latest version. This product is also available as an upd product. Make sure to use the updated contents. UPD product could be out of date.
VDT	Latest version	Use the latest production version for OSG

Ress_thirdparty contents are shown in the table below. It is advisable to use the latest version of jars from the VDT whenever available.

Directory	Contents
$RESS_THIRDPARTY/cemon	glite-ce-monitor-api-java.jar
$RESS_THIRDPARTY/classad/v2.2	classad.jar
$RESS_THIRDPARTY/security	glite-security-trustmanager.jar glite-security-util-java.jar
$RESS_THIRDPARTY/common	activation.jar axis-ant.jar axis.jar bcmail-jdk14-122.jar bcpg-jdk14-122.jar bcprov-jdk14-122.jar bctest-jdk14-122.jar commons-beanutils.jar commons-discovery-0.2.jar commons-logging-1.0.4.jar jaxrpc.jar log4j-1.2.8.jar saaj.jar wsdl4j-1.5.1.jar

2.2 Checkout ReSS

Checkout the latest version of ReSS product from the CVS. You will need access to the CVS repository to do so. Version v1.x.x has its own branch branch-v1.x.x which is forked off with tag v1_0_9. The intent was to continue development for Web Service support on the head.

```
export CVSROOT=cvsuser@cdcvs.fnal.gov:/cvs/cd
cvs checkout -r branch-v1_x_x ReSS
```

2.3   Build ReSS rpm

```
# export JAVA_HOME, ANT_HOME and add java and ant to PATH
# PATH= JAVA_HOME/bin:$ANT_HOME/bin:$PATH

Or

source $VDT_LOCATION/setup.sh
export ReSS_THIRDPARTY_DIR=<Dependencies as shown in section 3.1>

cd ReSS

# Change the version in build.properties
# Change the packagers name in ress.spec

ant rpm_dist

# RPM file can be found here
ls –la rpm_root/RPMS/noarch/

# Commit any changes and tag the release
```