Managing Hcluster scripts and configuration files with Subversion

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# Global organisation of subversion directories

# Trunk

On the trunk, you will find the lastest working copy.

# Tags

On the Tags directory, you will find all the stable version.

# For Hcluster

On subversion, for trunk ManCluster are located on : [http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/trunk/ManCluster/<Majorversion](http://dsiweai01.rm.corp.local:1665/svn/IEF_SAP/trunk/ManCluster/%3cMajorversion)>.

On subversion, for tags ManCluster are located on :

[http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/tags/ManCluster\_<tagsversion](http://dsiweai01.rm.corp.local:1665/svn/IEF_SAP/tags/ManCluster_%3ctagsversion)>.

We have make distinction between :

* Files (scripts or global configuration files) which are not instance dependant (same for all instances) . They are located on SCRIPTS directory (on trunk : [http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/trunk/ManCluster/<Majorversion>/SCRIPTS](http://dsiweai01.rm.corp.local:1665/svn/IEF_SAP/trunk/ManCluster/%3cMajorversion%3e/SCRIPTS) on tags [http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/tags/ManCluster\_<tagsversion>/SCRIPTS](http://dsiweai01.rm.corp.local:1665/svn/IEF_SAP/tags/ManCluster_%3ctagsversion%3e/SCRIPTS) )
* And specific files (most of time configuration file). They are located on CONFIG/<identifier\_of\_instance> directory (on trunk [http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/trunk/ManCluster/<Majorversion>/ CONFIG/<identifier\_of\_instance>](http://dsiweai01.rm.corp.local:1665/svn/IEF_SAP/trunk/ManCluster/%3cMajorversion%3e/%20CONFIG/%3cidentifier_of_instance%3e%20%20)  and on tags [http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/tags/ManCluster\_<tagsversion>/](http://dsiweai01.rm.corp.local:1665/svn/IEF_SAP/tags/ManCluster_%3ctagsversion%3e/SCRIPTS) CONFIG/<identifier\_of\_instance> ).

There is scripts to deploy HCluster located on [http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/trunk/ManCluster/<Majorversion>/](http://dsiweai01.rm.corp.local:1665/svn/IEF_SAP/trunk/ManCluster/%3cMajorversion%3e/) for trunk version and [http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/tags/ManCluster\_<tagsversion>/](http://dsiweai01.rm.corp.local:1665/svn/IEF_SAP/tags/ManCluster_%3ctagsversion%3e/SCRIPTS) for tags version.

# Development

If a person wants to improve scripts or modify it, they have to take the lastest working copy from the trunk to the development environment with this command launched the working directory:

|  |
| --- |
| svn co --username <username> http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/trunk/ManCluster/<MAJOR\_version>/SCRIPTS |

After modifying scripts, he can bring modification to subversion depot with this command launched the working directory:

|  |
| --- |
| svn commit |

If he needs to add a file, it can be done with “svn add <filename>” and “commit” command after.

If he needs to remove a file, it can be done with “svn del <filename>” and “commit” command after.

If he needs to rename a file, it can be done with “svn mv <filename> <new\_name> “commit” command after.

For more information have a look on svn documentation.

# Creating a tag for a stable version

When we have a stable version we wants to keep, you will have to copy the trunk version to a new tags with this command:

|  |
| --- |
| svn copy [http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/trunk/ManCluster/<Major\_Version](http://dsiweai01.rm.corp.local:1665/svn/IEF_SAP/trunk/ManCluster/%3cMajor_Version)> http://dsiweai01.rm.corp.local:1665/svn/IEF\_SAP/tags/ManCluster\_<New\_tags> |

# Deploying a tag version to production environments

In total M&S, source repository is located on [\\frrmdef-fs022\repository\certifie\03\_Applicatif\02\_Progiciels\01\_SAP](file:///\\frrmdef-fs022\repository\certifie\03_Applicatif\02_Progiciels\01_SAP) for SAP. So when you want to deploy new version of HCluster, you have to ask to IEF team to export the desired tags from svn depot to [\\frrmdef-fs022\repository\certifie\03\_Applicatif\02\_Progiciels\01\_SAP](file:///\\frrmdef-fs022\repository\certifie\03_Applicatif\02_Progiciels\01_SAP).

And after, you have to log on servers which need HCluster script and mount repository frrmdef-fs022:/repository on them and go to directory certifie/03\_Applicatif/02\_Progiciels/01\_SAP/ManCluster\_4.0PROD and launch script deploy4.0.ksh with parameter which identify directory in CONFIG with right parameters:

|  |
| --- |
| root@frmsteusapt02-MASTER # cd /DSL/certifie/03\_Applicatif/02\_Progiciels/01\_SAP/ManCluster\_4.0PROD  root@frmsteusapt02-MASTER # ksh deploy4.0.ksh T6B\_T6G  # Suppression of existing directory :  OK  # Installation of Scripts :  OK  # Creation of symbolic links :  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  OK  # Installation of configurtation files :  OK  # Chown:  OK  # Chmod :  OK  # Installation on the secondary node :  \_check\_node 100% 1053 1.0KB/s 00:00  svcadmin.lastlog 100% 85 0.1KB/s 00:00  svcadmin 100% 1834 1.8KB/s 00:00  svcadmin.ksh 100% 4579 4.5KB/s 00:00  .stgadmin.ksh.AYO 100% 24KB 23.8KB/s 00:00  stgadmin.lastlog 100% 84 0.1KB/s 00:00  stgadmin 100% 1817 1.8KB/s 00:00  stgadmin.ksh 100% 24KB 23.8KB/s 00:00  checkconf 100% 5434 5.3KB/s 00:00  getvglist 100% 239 0.2KB/s 00:00  applis.config 100% 177 0.2KB/s 00:00  exports 100% 1045 1.0KB/s 00:00  filesystems 100% 2119 2.1KB/s 00:00  service.config 100% 1118 1.1KB/s 00:00  applis.config 100% 177 0.2KB/s 00:00  exports 100% 1045 1.0KB/s 00:00  filesystems 100% 2119 2.1KB/s 00:00  service.config 100% 1118 1.1KB/s 00:00  ALL\_RESOURCES 100% 2579 2.5KB/s 00:00  COLUMBUS 100% 2569 2.5KB/s 00:00  CTMAGENT 100% 1350 1.3KB/s 00:00  FS 100% 4686 4.6KB/s 00:00  LISTENER 100% 1522 1.5KB/s 00:00  NET 100% 3826 3.7KB/s 00:00  NFS 100% 2474 2.4KB/s 00:00  ORACLE 100% 1511 1.5KB/s 00:00  SAP 100% 1592 1.6KB/s 00:00  SAPINIT 100% 12KB 12.0KB/s 00:00  SMD 100% 1638 1.6KB/s 00:00  VG 100% 5442 5.3KB/s 00:00  K050CTMAGENT 100% 1350 1.3KB/s 00:00  K051COLUMBUS 100% 2569 2.5KB/s 00:00  K090SAPINIT 100% 12KB 12.0KB/s 00:00  K091SMD 100% 1638 1.6KB/s 00:00  K092SAP 100% 1592 1.6KB/s 00:00  K101ORACLE 100% 1511 1.5KB/s 00:00  K102LISTENER 100% 1522 1.5KB/s 00:00  K110NET 100% 3826 3.7KB/s 00:00  K120NFS 100% 2474 2.4KB/s 00:00  K130FS 100% 4686 4.6KB/s 00:00  K140VG 100% 5442 5.3KB/s 00:00  S01VG 100% 5442 5.3KB/s 00:00  S02FS 100% 4686 4.6KB/s 00:00  S03NET 100% 3826 3.7KB/s 00:00  S04NFS 100% 2474 2.4KB/s 00:00  S090SAPINIT 100% 12KB 12.0KB/s 00:00  S100LISTENER 100% 1522 1.5KB/s 00:00  S101ORACLE 100% 1511 1.5KB/s 00:00  S110SAP 100% 1592 1.6KB/s 00:00  S111SMD 100% 1638 1.6KB/s 00:00  S120CTMAGENT 100% 1350 1.3KB/s 00:00  S121COLUMBUS 100% 2569 2.5KB/s 00:00  checkconf.config 100% 4065 4.0KB/s 00:00  cluster.config 100% 1294 1.3KB/s 00:00  global.config 100% 722 0.7KB/s 00:00  OK  root@frmsteusapt02-MASTER # ls CONFIG  T6B\_T6G |

# Dmex for synchronise local HCluster with DSL

