



# ***SLD3 to SLD4 Migration***

DESY ATLAS HH Meeting

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- Installed releases
- Installed OS



# ***Installed Releases***

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## **Releases:**

12.0.3: slc3-gcc323-opt  
12.0.6: slc3-gcc323-opt  
12.0.7: slc3-gcc323-opt  
12.0.8: slc3-gcc323-opt  
13.0.10: will be removed soon, as 13.0.30  
13.0.20: will be removed soon, as 13.0.30  
13.0.30: slc3-gcc323-opt, slc4-gcc34-opt  
13.0.40: slc3-gcc323-opt, slc4-gcc34-opt  
13.1.0: slc4-gcc34-opt

## **Production Caches:**

Only slc3-gcc323-opt version for release 12 and 13!

## **Official Atlas Statement:**

SLC4 versions are not validated for release 13.0.X!

## **EV Group Areas:**

release 12: only slc3-gcc323-opt

release 13: only slc4-gcc34-opt

**Release 12 is installed in plain directories.**

**Release 13 is installed using the AFS @sys mechanism to resolve OS dependencies in a transparent way.**

**(@sys = 586\_rhel30 for SLD3, @sys = i586\_rhel40 for SLD4)**

**Unfortunately, the Atlas software has its own mechanism!**



## ***Installed OS***

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**work group servers: 32 bit SLD3 only**

**desktop: should have been 32 bit SLD3 only, but IT delivered a substantial ammount of desktops already with 32 bit SLD4.**

**One SLD4 test system is atlas-sld4. More are in the bird cluster.**



# ***How Does This Work Together?***

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**This does only matter if you compile code or install job options.**

- **compile on SLD3 and run on SLD3: okay**
- **compile on SLD4 and run on SLD4: okay (except r12)**
- **compile on SLD4 and run on SLD3: not supported**
- **compile on SLD3 and run on SLD4: a bit tricky**
  - 12.0.X: should work with a flag out of the box**
  - 13.0.X: needs some more work (CMTPATH and flag)**
  - 13.X.0: not supported**



# ***Migration Strategy***

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**desktops: as the user wishes. Contact Gordon Fisser otherwise Gordon will contact you within the next 3 month.**

**work group servers: this is a bit tricky:**

- 1. full migration: migrate all servers to 32 bit SLD4 now.**
- 2. partial migration: migrate now one server (atlas-wgs03) to 32 bit SLD4 and the rest (atlas-wgs01/02) in 3 month.**
- 3. delayed migration: migrate all servers to 32 bit SLD4 in three month or later.**