



MAX-PLANCK-GESELLSCHAFT



LAT there be light

Upgrading your server to our latest IMDI software

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Preparations, download and backup



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- Download the tarball from our Vmware image website:
<https://tla.mpi.nl/tools/tla-tools/vmwareimage/>
- To do this, log in on the server, go to /tmp and run:
`wget http://www.mpi.nl/tools/latserver/lat-vm-snapshot-2014-08-21.tar.bz2`
- While the download is running:
 - Close LAMUS workspaces
 - Check `/etc/HOSTNAME` and `/etc/hosts`
 - Backup databases: `mkdir /lat/postgres/backups/`
`chown postgres.postgres /lat/postgres/backups/`
`su postgres ; cd /lat/postgres/backups/`
`pg_dump ams2 > ams2-old.sql`
`pg_dump lamus > lamus-old.sql`
... same for `corpusstructure` and `annex` ... `exit`
 - Stop old software: `/etc/init.d/lat stop`



Demo installation and config fixes



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- Rename old installation: `mv /lat /lat.old`
- Unpack the downloaded tarball: `cd /`
`tar -xjvf /tmp/lat-vm-snapshot-2014-08-21.tar.bz2`
- Edit and use the rebase script: (editor as preferred)
`joe /lat/demoserver-rebase-server.sh`
 - Edit name, Handle prefix, domain, server, base URLRun: `/lat/demoserver-rebase-server.sh`
 - Will backup the previous state. Works only once!
- Check & edit `/lat/conf/*context.xml` and `*web.xml` etc.
- Adjust RAM sizes in `/lat/postgres/data/postgresql.conf`
- Adjust RAM sizes In `/lat/init.d-scripts/tomcat-*`
- Start and test the server: `/etc/init.d/lat start`
 - You also have to edit the hosts file on your client
(`/etc/hosts`, `\WINDOWS\system32\drivers\etc\hosts`)



- Stop test installation: `/etc/init.d/lat stop`
- Restore your own databases:
`cp -a /lat.old/postgres/backups /lat/postgres/backups/
su postgres ; cd /lat/postgres/backups ; psql
\c ams2
\i ams2-old.sql
\c lamus
\i lamus-old.sql
... same for corpusstructure and annex ...`
- Use trick from `demosever-rebase-sql-template.txt`:
`\c corpusstructure
update archiveobjects set url = replace(url,
'YOUROLDBASEURL', 'YOURNEWBASEURLWITHHTTPS')
where url like 'YOUROLDBASEURL%';`



Real installation continued



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- `update imdiadmin set value = 'YOURBASEURL'`
`where name = 'HTTP_ARCHIVE_ROOT';`
- If other archive properties already were correct in your old database contents (Name, Handle prefix, domain, hostname, ...), leave psql: `\q`, then: `exit`
 - (If your Handle prefix changed, edit `IMDIs` now)
- Move or copy data: `mv /lat.old/corpora /lat/corpora`
 - (If it is a separate drive, re-mount `/lat/corpora`)
- Start new server: `/etc/init.d/lat start`
- Use your browser and AMS forced export to refresh access rights (corpusstructure database and htaccess)
- Optionally run crawler, always run ingester: `su latuser`
`/lat/tools/ingester/current/ingester/ingester-no-sudo.sh ; exit`
 - Crawler now mgmt. menu item in LAMUS create WS!



Additional refresh and tune steps



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- Note that running the crawler from LAMUS will also:
 - Refresh metadata search (Lucene, corpusstructure)
 - Refresh AMS access rights
 - ... for the selected corpus
- Note that the ingester (cronjob) always runs for the whole archive and is not triggered by LAMUS. It updates the Lucene index and annex DB of Trova content search.
- Restart when all is updated: `/etc/init.d/lat restart`
 - (helps searches if old indexes were incompatible)
- Test the new server
- A good moment to look for remaining problems & fixes!
- A good moment to ask ... Questions?
- **Enjoy your upgraded TLA LAT server!**