D4Science Infrastructure - Task #11762

The LDAP server, when in producer (master) mode, never removes the log files used to handle the replica changes

May 13, 2018 05:32 PM - Andrea Dell'Amico

Status:	Closed		**Start date:**	May 13, 2018
Priority:	Urgent		**Due date:**	
Assignee:	Andrea Dell'Amico		**% Done:**	100%
Category:	System Application		**Estimated time:**	0.00 hour
Target version:	UnSprintable			
Infrastructure:	Production			

Description

ldap uses a specialised set of log files, under /var/lib/ldap/accesslog, so that the consumers are able to get the changes without downloading all the DB at every synchronisation.
Those files are never removed by the master on our server, even if it's configured to delete logs older than two days. The only way to cleanly remove those files is to stop / start the slapd service.

Because those logs amount to tens of GBs of files, the stop / start procedure always fails because the slapd service needs several minutes to cleanup the accesslog before shutting down.
We have to find a way to restart the service reliably.

History

#1 - May 13, 2018 05:33 PM - Andrea Dell'Amico

- Status changed from New to In Progress

#2 - May 13, 2018 05:37 PM - Andrea Dell'Amico

- Status changed from In Progress to Feedback

- % Done changed from 0 to 100

I split the two cases.

- I added a cron job that runs at 5am every day. It tries a restart of the slapd service. The *stop* part always succeeds.
- I then added a cron job that runs once a minute and starts the slapd service if there's no slapd running.

This way we also have a generic watchdog for the ldap service. The second cron job can be installed on the consumers too.

#3 - May 14, 2018 01:39 PM - Andrea Dell'Amico

- Status changed from Feedback to Closed

Fixed a bug that prevented the script to find that the service was not running. Now it's reliable.