Healthcheck reports

Usage:

This is a tool to perform various checks and reports about your dspace instance. Use cron to schedule it periodically.

Command used:	\[dspace\]/bin/dspace healthcheck
Java class:	org.dspace.health.Report
Configuration file:	config/modules/healthcheck.cfg
Argument short and long form	Description
-c,--check <arg>	Perform only specific check (use index starting from 0). Repeatable (e.g. dspace healthcheck -c 0 -c 2)
-e,--email <arg>	Send report to email (arg) address. Can be a property resolvable by ConfigurationManager.getProperty(String), e.g. mail.admin
-f,--for <arg>	For last N days. Overrides the last_n_days variable from config file. Used to set a starting date for certain checks. The value is relative to `now`. The default in config file is 7 days, e.g. the Log Analyser check will only analyse checks for past 7 days. You may wish to set this value if running the cronjobs on different than weekly basis.
-h,--help	Show available checks and their index. Show the usage.
-v,--verbose	Verbose report.

Currently configured checks:

This section list checks and reports that are currently configured out of the box. See org.dspace.health.*Check for the respective classes. The list with brief description follows

- General Information
  - Reports basic configuration info and sizes of various dir (assetstore, logs...)
- Checksum
  - Verifies checksums of the bitstreams
- Embargo items
  - Lists embargoed items and the lift dates (**Note**: This check is for Pre-3.0 type of embargo. If you aren't using the old embargo, you will get an error message about unknown SCHEMA you can safely ignore.)
- Item summary
  - Information about Collections, Communities and items - sizes of collections, number of published/withdrawn/(in other stage) items
- User summary
  - summary of epeople and groups
- Log Analyser Check
  - goes through the logs and summarizes number of Exceptions/Warnings and other info

Configuring the checks:

The PluginManager is used to load the classes that are configured in `config/modules/healthcheck.cfg` adding/removing a check means modifying that file. To create your own checks you need to extend the abstract class org.dspace.health.Check and provide an implementation of its run(org.dspace.health.ReportInfo) method.