GROMACS - Task #2999

Move all logging in core library and tools to use MDLogger

06/25/2019 01:43 PM - Paul Bauer

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
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<tr>
<td>Assignee:</td>
<td>Logging</td>
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<td>Category:</td>
<td>Logging</td>
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<td>Target version:</td>
<td>2021-infrastructure-stable</td>
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<td>Difficulty:</td>
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Description
Currently, logging is still not done in a consistent way in the core GROMACS library. While large parts of the code in the actual mdrunner have been moved to use it, other parts are still printing directly to stderr or stdout.

This is an umbrella task that should be used to organize subtasks that are focusing on individual parts of the code.

Subtasks:
- Task # 3004: Move trajectory analysis logging to MDLogger
- Task # 3005: Move logging in gmx preprocess to MDLogger
- Task # 3013: Extend logging levels in MDLogger
- Task # 3015: Create central log handle for calls to gmx_fatal
- Task # 3035: Provide central logger in wrapper binary
- Task # 3036: Allow logger streams to be exchanged after creation of a logger

Related issues:
- Related to GROMACS - Task #1505: improve handling of logging

Associated revisions

Revision da430b43 - 07/18/2019 11:54 AM - Paul Bauer
Extend MDLogger levels

Added logging levels for errors and debug information.

Extended tests to check those.

Refs #2999
Change-Id: l8b23de7ba1355ffcd89896e688c199860b7b71cf

Revision 37563a1d - 01/31/2020 04:07 PM - Paul Bauer
Start using MDLogger in gmxpreprocess

Changed logging of one set of routines to use the logger interface instead of calling fprintf to stderr.

Refs #2005, #2999
Change-Id: lbbecab0a6a0fa1c62c75f8828b8ff84fa4886e

Revision 99b15a53 - 01/31/2020 09:11 PM - Paul Bauer
Use MDLogger in grompp

Start using MDLogger in main grompp routine.

Refs #2999, #3005
Change-Id: lc88e9a2e2c271a4bf9502da5a268f532d422a1f1b

Revision 1a3955c6 - 02/05/2020 08:17 AM - Paul Bauer
Use more MDLogger in preprocessing
Refs #2999, #3005
Change-Id: l2e9f5d9d98d7b1add0cc3e9339e7a93b6e1c9a6

History

#1 - 06/25/2019 01:43 PM - Paul Bauer
- Related to Task #1505: improve handling of logging added

#2 - 09/06/2019 02:36 PM - Paul Bauer
- Target version changed from 2020-beta1 to 2021-infrastructure-stable

not going to happen for 2020