

AGATA Data flow upgrades

Xavier Grave

AGATA Soft Orsay Team

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Presentation
Overview

Improve current
behaviour

Already available

Next Code
improvements

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Next Code improvements

- ▶ Difficulties to debug distributed software

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- ▶ Cryptic errors messages

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- ▶ Too rustic watcher system

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- ▶ Cryptic errors messages
- ▶ Too rustic watcher system
- ▶ Data flow ending procedures

- ▶ Version 1.10.2
 - ▶ Use new Annex E implementation based on PolyORB
 - ▶ Compiled with GNAT GPL 2009 or Debian GNAT 4.4 package

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- ▶ Version 1.10.2
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- ▶ available in
 - ▶ Debian Squeeze (Linux and kFreeBSD)

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 - ▶ Debian Squeeze (Linux and kFreeBSD)
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 - ▶ Just do **apt-get install narval***

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- ▶ Version 1.12.1
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- ▶ Version 1.12.1
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 - ▶ More flexible reset at actor level

Improve debug, reset and recovery procedures

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**Next Code
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- ▶ Using Ada Core Technology support

Improve debug, reset and recovery procedures

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- ▶ Using Ada Core Technology support
 - ▶ Ada 2005 compiler

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 - ▶ Annex E
 - ▶ AWS (Ada Web Services)

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- ▶ Using Ada Core Technology support
 - ▶ Ada 2005 compiler
 - ▶ Annex E
 - ▶ AWS (Ada Web Services)
- ▶ Put in parallel state transition procedures when possible

Narval 2.0 new Memory Handling

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**Next Code
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- ▶ Pool buffer system

Narval 2.0 new Memory Handling

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- ▶ Pool buffer system
 - ▶ Posix interface (messages queues, shared memory)

Narval 2.0 new Memory Handling

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- ▶ Pool buffer system
 - ▶ Posix interface (messages queues, shared memory)
 - ▶ Improve local performances

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 - ▶ more production/consumption policies (loose, strict, by reference)
- ▶ Easy interfacing with others experiments
- ▶ More efficient watcher system