

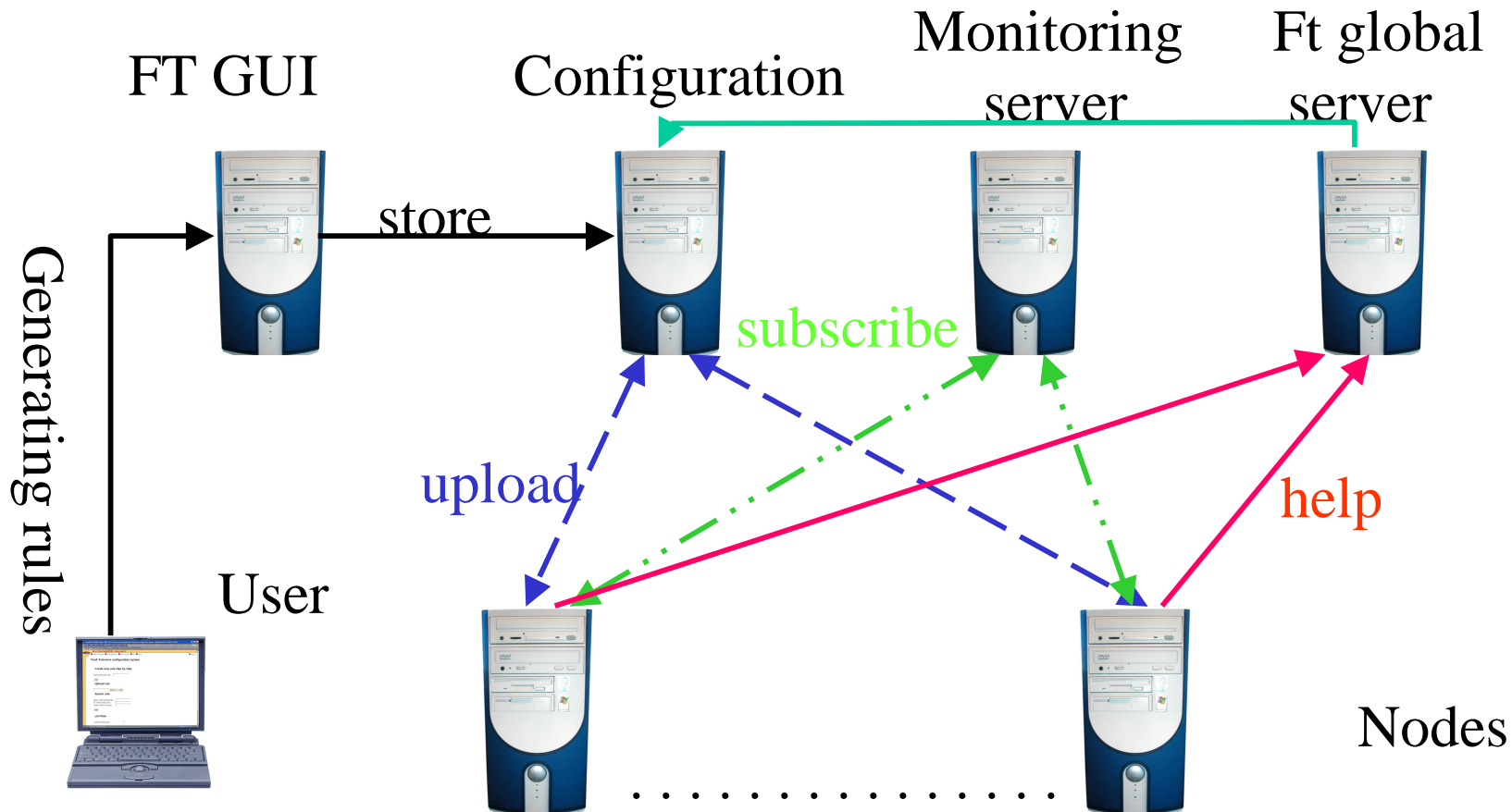


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# Fault Tolerance Status Report

## Framework Overview



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Lord Hess  
KIP/WP4



# Fault Tolerance Status Report

## Deliveries:

- 2.4.1 Rule schema improvement : **done**
- 2.4.2 Time dependent rules and support for history operations : **in progress**
- 2.4.3 Rule schema extension (CDB) : **not started**
- 2.4.4 Improved checking of rule semantics : **done**



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## Deliveries:

- 2.4.5 Rule system redesign for adding the NodeIDs to the rule schema : **done**
- 2.4.6 LCFGng component : **not started**
- 2.4.7 Exception tracing : **in progress**
- 2.4.8 Global correlations : **not started**
- 2.4.9 Interface the FT rule editor with the WP4 configuration : **not started**



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## Deliveries:

- 2.4.10 Packaging and testing: **not started**
- 2.4.11 Probing sensors : **not started**
- 2.4.12 Burn-in tests of new hardware (disks, mem, cpu): **done** (only linux)
- 2.4.13 User application interface to FT framework : **not started**



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## Deliveries:

- 2.4.14 Web Based GUI for Creating and uploading rules : **done**, but no help available
- 2.4.15 Level based actuators : **in progress**
- 2.4.16 Implementing the possibility to start more than one actuator : **in progress**
- 2.4.17 Documentation : **in progress**



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Modul	Delivery	Depends on	Comments
2.4.1	Done	-	
2.4.2	06/03	-	
2.4.3	08/03	CM	LCFG
2.4.4	Done	-	
2.4.5	Done	-	
2.4.6	06/03	-	
2.4.7	05/03	-	
2.4.8	08/03	RMS,CM?	
2.4.9	07/03	-	
2.4.10	06/03	?	
2.4.11	08/03	-	
2.4.12	06/03	-	
2.4.13	09/03	Needs	
2.4.14	05/03	-	
2.4.15	06/03	-	
2.4.16	done	-	



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## Some details I :

- Rule generating:
  - Bracket counting
  - Detects double or senseless operators
  - No XML visible
  - Self learning pulldowns (not ready)
  - No control if node or metric exists, needed?



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Some details II:

- FT daemon:
  - String compare
  - Boolean expressions, „C“ syntax
  - Mathematical operators
  - Full qualified domainname insertion
  - Checking if actuator exists and executable





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Some details III:

- Burn in / stress tests:
  - Only linux, Solaris needed?
  - S.M.A.R.T. for IDE and SCSI
  - CPU tests Athlon, PII, PIII, P4
  - Memory tests
  - Several disks R/W tests, intrusive or not