

Diagnostic-related Activities

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Items addressed ...

- ❖ measurement
 - ◆ facilitate maintenance / management
 - ◆ compute service performance indicators
- ❖ monitoring
 - ◆ simple vs. functional
- ❖ diagnostics
 - ◆ to resolve incidents
 - ◆ to enhance user experience
 - ◆ to test a component

Federations landscape

- ❖ levels:
 - ◆ confederation
 - ◆ federation (national)
 - ◆ regional
 - ◆ ...
 - ◆ local

- ❖ ideal monitoring/diagnostics system:
 - ◆ e2e; extends over all levels
 - ◆ as close to the user experience as possible

Ongoing work ...

- ❖ Federation lab work in GN3 (<https://fed-lab.org/>)
- ❖ F-ticks for identity federations (?)
- ❖ IdP testing (<http://monitor.eduroam.org/test-sp/>)

IdP testing service

❖ Proposed model:

- ◆ Monitoring/testing SP allows any IdP (from the eduGAIN MDS) to perform AuthN and provides back a report (historic data is also kept in the SPs database)
- ◆ SP is configurable to follow different policies/profiles and use different metadata sources (e.g. eduGAIN)

❖ Possible scenarios:

- ◆ On-demand testing by an end user (with a real or test identity)
- ◆ On-demand tool for IdP admin - IdP readiness check
- ◆ Automatic testing (monitoring) with a test identity known/not known to the SP
 - a tool which will act as a test user is needed (based on WWW::Mechanize, or ...)

IdP testing service

