DataGrid WP6/CA

CA Acceptance/Feature Matrices

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Proposed Syntax Changes

- For Web Server & LDAP Server cert & CRL :

  publication_frequency

  → publication_frequency [days]
  publication_latency [days]
  publication_validity [days]

Proposed Syntax Changes

- For cert_issuance :

identity_check = personal_contact | email | phone

→ <expression>

where : operators = AND, OR

precedence = (), AND, OR

elements = personal_contact | email | phone

| contact_with_superior

| public_directory_check

Scaling

Let us consider:

- Scaling of Acceptance/Feature Matrix functionality

Let us NOT consider:

- Scaling of whole grid authentication scheme

Functionality

The Acceptance Matrix will scale if :

- inspection is done by machines not people

  e.g. by evaluating CA feature matrix according to rule set

  not done yet
- scope is deliberately limited, e.g. to VOs

  not done yet

The presentation software will scale if :

- it can be run from memory

  not done yet, but is designed as just one source file
- it automatically adapts to addition/removal of CAs

  already done

Functionality

The matrix admin will scale if :

- each CA manages their own matrix info on site, with remote access by the software

  not done yet

  maybe should not be until methodology stabilizes

- a CA automatically gets out of the blacklist when they fix the problem

  as soon as next remote access to their matrix info

  not done yet

Future Functionality

Utilization by programs might be accommodated by :

- use of RGMA/MDS/LDAP, both for remote matrix info access and for presenting matrix results

Exceptional incidents might be accommodated by :

- continuing to support the current *manual* inspection, both for CAs and for VOs

Fault-tolerance might be accommodated by:

- using RGMA/MDS/LDAP replication [when available]

Notification of changes to a CA might be accommodated by:

- email [initially]
- notification by information system [when available]

Acceptance/Feature Matrices

THE END