Configuring Access Control Policies

draft-petithuguenin-p2psip-access-control-03

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Changes in configuration file

The <access-control-code> element is now in the <configuration> element, and has a mandatory attribute "name", so it can be shared between kinds.

The content of the element is now compressed and base64 encoded (more later about this)

Changes in the code

New "configuration" object is passed for overlay parameters (node-id-length, overlay name, topology plugin).

"signature" object renamed as "signer".

New "evaluate" method on configuration and kind object that can used to read parameters in the configuration file by using an XPath expression and namespace mapping.

Security

New section on why using ECMAScript is not dangerous, as long as the signature is mandatory.

Configuration file signer can check that peers behave and blacklist them if not.

Because access control code adds a single point of failure, it should be considered as temporary.

Developers should not be tempted to copy the same algorithm so the code is now obfuscated.

Misc.

Examples have been updated and expanded.

The reference code for this version has been published.

There is still some modifications required to implement the USER-CHAIN-ACL policy in Share.

Conclusions

Adoption by WG?

Questions?