

A URN Name Space for iSCSI World-Wide Unique Identifiers

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Status

- Background
 - Names and addresses are separate concepts
 - Both need to be configured, transcribed, etc.
 - N&D requirements matched URN requirements
- Key Decisions
 - WWUI fulfills URN requirements
 - Register “iSCSI” as a top-level URN name space
- Milestones
 - Draft 00 of iSCSI WWUI URN submitted

Some URN Requirements

- Global scope; globally unique
 - Not tied to an address
- Persistent – stable over time
- Scalable – uses naming authority
- Extensible
- Transcribable, comparable
- Transport-friendly, text, binary, paper, ...

URI, URN, URL

- URI is an identifier for something
 - Can be a URN (name) or a URL (address)
- URN is a name for something
 - Independent of location
 - Stable over long periods of time
- URL is an address for something
 - Specifies location
 - Can change over time
- WWUI incorporated in both URN and URL

Examples

- URN
 - URN:iSCSI:wwui:iSCSI.com.acme.sn.1234567
 - URN:iSCSI:wwui:eui.020045BA490CDA3F
 - URN:iSCSI:wwui:oui.000023B.12345678
- URL
 - iSCSI://10.1.1.1/iSCSI.com.acme.sn.1234567
 - iSCSI://host.mine.com/oui.000023B.12345678

Plan

- Draft is complete
 - Mostly a formality to claim a URN namespace
- March
 - Accept URN draft as a WG document
 - Incorporate comments from WG
- August
 - Submit to IESG with naming & discovery doc

References

- iSCSI NDT Requirements
 - draft-ietf-ips-iscsi-name-disc-00
- URN Requirements
 - RFC 1737
- URN Syntax
 - RFC 2141