

The logo for Internet2, featuring the word "INTERNET" in a bold, black, sans-serif font. A large, stylized red number "2" is superimposed over the word, with its top loop extending above the "I" and its bottom stroke extending below the "T".

INTERNET



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DOMESTICATION STORIES

**or how I learned to stop worrying and love
the infrastructure**

Registry of Domesticated Apps

- ~~I2 COmanage~~

- <https://spaces.internet2.edu/display/COmanage/Registry+of+Domesticated+Applications>

- Surfnet Collaboration Infrastructure

- <https://wiki.surfnetlabs.nl/display/domestication>

- <http://projectcoin.surfnet.nl>

Registry of Domesticated Apps

Overview

Legend



Externalizable via vendor/community supported functionality (Application considered fully domesticated for supported functionality)



Externalizable via third-party plugin (Considered domesticated for available plugins)



Externalizable via hooks/hacks (Considered domesticatable)

Click on the following icons to go to detailed information on:

Authentication Support

Group Support

Provisioning and Deprovisioning

Implementation examples

Vendor or community provided pages product information

Available

Not supported

	Application	Application Type	Level of Domestication ¹	Platform	Licence	Known Implementations	Authentication Support	Group Support	Authorization Support	Provisioning & Deprovisioning
	Confluence	Wiki		Java	Commercial, Academic	2				
	Groupier	Group Management		Java	OpenSource	5				

¹ Calculated as the average of authentication and group support




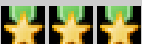
Aspects of Domestication

- Authn
- Authz
- Groups
- Provisioning/Deprovisioning
- Standards/Protocol Compliance

(Secondary Aspects)

- License
- Language
- Environment

Levels of Domestication

CM	COIN	DEFINITION
0		Not externalizable, not provisionable via external tools ("Black Box")
1		Not externalizable, but provisionable via external tools
2		Externalizable via hooks (COIN: or hacks)
3		Externalizable via third-party plugins
4		Externalizable via vendor provide functionality

Calculating Levels

- Average?
- Max?
- Min?
- COmanage: Overall certification of Domestication = (Full, Partial, Not)
- COIN: Average of authentication and group support

Domestication In Practice

- LDAP
- OpenID
- PAM
- SAML
- SPML
- Callouts, APIs, Plugins, etc
- Still evolving in most areas

Identity Service Contracts

- Having standard interfaces for identity services simplifies domestication of software
- Sort of solved for authn (SAML, OpenID, PAM)
- Mostly solved for directory (LDAP + schema)

Identity Service Contracts

- Not solved in other areas
 - Groups & Roles
 - Access Management & Authz
 - Provisioning
- OSS IDM initiative making another attempt
 - Along with the usual suspects

Domain Specific Apps

- Domestication of general use apps is pretty well understood
- What are the specific needs of domain specific applications?
- “Federated SSH”

ObCallForParticipation

- Share your domestication work
- Help define standards for domestication
- Help define requirements for domestication