

CManage / Entity Registry Gap Analysis

CManage 1.0.2 Compared to the TIER Entity Registry Requirements

For items flagged , there may still be specific capabilities or enhancements required to meet all use cases.

	Requirement	Status	JIRA	Funded?	TIER High Priority	Notes
1	Administration (User Interface)					
2	Delegated Administration					Within existing CO/COU/Group structure
3	Record Search					
4	Record Relinking					Manual Linking Operations
5	Self Service					For select attributes and operations
6	Bulk Operations		CO-802			Limited to group operations
7	"Enterprise Vocabulary"					Default terminology that maps closer University vocabulary (vs VO vocabulary)
8	Customizable UI					Localizable, Plugins for custom links, etc; Needs scalability testing
9	Accessible UI		CO-224			Partially accessible, needs further testing and refactoring
10	Externalized Authentication					Anything supported by Apache
11	Terms and Conditions					At enrollment or login
12	Person Record Management					
13	No Hardcoded Identifier Assumptions					
14	No SSN Dependency					
15	"Secure" Attributes					While (eg) SSNs can be stored as identifiers, there is no special handling to (eg) encrypt them; DoB is not in default data model, and Gender is in secondary demographic reporting record
16	Multiple (Typed) Attributes Per Record					eg: Name, Address, Email Address, etc
17	Custom Attributes					Simple built in model , or custom plugins
18	Custom Types					Extending the Registry Data Model
19	Multiple Roles					role=title+department+validity dates+etc
20	Multiple Identity Sources					See Registry Data Model overview
21	Lifecycle Management					Includes expiration and related transitions
22	Identifier Assignment					Configuring Registry Identifier Assignment
23	Self Selected Identifiers					
24	Privacy / Attribute Release Policies					
25	Early Onboarding					Most of the infrastructure required for this will be implemented with new "Pipeline" capability
26	Registry-as-SOR			Funded, sched 2H16		Default model; enhancements are to separate out "SOR-as-SOR"
27	Customizable UI Driven Enrollment					Registry Enrollment Flow Configuration
28	Batch Importing		CO-76			Most of the infrastructure required for this will be implemented with new "Organizational Identity Source" capability
29	Attribute Election			Funded, sched 2H16		eg: To pick a Primary Name from multiple SORs
30	ID Match Integration		CO-1053			Limited existing capabilities. New "Pipeline" will include external callouts
31	Identity Proofing					TBD what this would mean

32	SSH Key Management	✓				
33	ORCID Linking	✗	CO-579	Funded, sched 2Q16		
34	Audit / Changelog					
35	Human-Readable Transaction History	✓				Registry History and Changelogs
36	Manual History Records	✓				ie: Comments
37	Point-In-Time Record Capabilities	✓				"Copy on write" means a delete is rarely actually a delete Registry History and Changelogs
38	Provisioning and Integration					
39	REST API	✓				REST API v1
40	Plugin/Connector Driven Real Time Provisioning	✓				Provisioning From Registry
41	LDAP Provisioning	⚠				Custom schemas not currently supported LDAP Provisioning Plugin
42	Grouper Integration	⚠				Grouper Provisioning Plugin
43	Unix Account Provisioning	⚠	CO-866	Funding Proposed		Current support is experimental and will be rewritten
44	Message Bus Provisioning	✗	CO-583			
45	Cloud Services Integration	⚠				Experimental GitHub support
46	Credential Management	✗	CO-60	Funded, sched 2H16		
47	Asynchronous Provisioning	✗	CO-552			
48	TIER API Support	✗				
49	Reporting					
50	Plugin Driven Reporting Capabilities	✗	CO-77			
51	SQL Provisioner	✗	CO-1164			
52	Notifications	✓				
53	Database Support					
54	PostgreSQL	✓				Recommended
55	MySQL / MariaDB	✓				Tested and supported
56	Oracle	✗				Not supported by framework
57	SQL Server	⚠				Supported by framework but not tested
58	Miscellaneous					
59	Replication / HA	✓				HA as PHP web app; Replication via database
60	Unicode	✓				
61	Extensible via Plugins	✓				Writing Registry Plugins