























Copy of CManage / Enterprise 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	Funded?	Notes
1	Administration (User Interface)			
2	Delegated Administration			Within existing CO/COU/Group structure
3	Record Search			
4	Record Relinking			
5	Self Service			For select attributes and operations
6	Bulk Operations			Limited to group operations
7	"Enterprise Vocabulary"			
8	Customizable UI			Localizable, Plugins for custom links, etc; Needs scalability testing
9	Accessible UI			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			
19	Multiple Roles			role=title+department+validity dates+etc
20	Multiple Identity Sources			
21	Lifecycle Management			Includes expiration and related transitions
22	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			
28	Batch Importing			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			Limited existing capabilities. New "Pipeline" will include external callouts
31	Identity Proofing			TBD what this would mean
32	SSH Key Management			
33	ORCID Linking		Funded, sched 2Q16	
34	Audit / Changelog			

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