

AAA: Helium: Release Plan

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Introduction

Release Deliverables

Name	Description
Pluggable AuthN/AuthZ framework	Support for AuthN filters, security context, and access policies
Out-of-the-box AuthN	Direct authentication
Federated Keystone authentication	Support AuthN via Keystone token
TLS support	Enable HTTPS on ODL
AA Release	Pluggable, out-of-the-box token-based AuthN, and MD-SAL AuthZ app-specific AuthZ

Release Milestones

Milestone	Offset 0 Date	Deliverables		
M1	5/12/2014	Name	Status	Description
		Candidate Release Plan	DONE	Candidate Release Plan
M2	6/09/2014	Name	Status	Description
		Release Plan	DONE	Final Release Plan
		Project setup	DONE	Project setup in Git and Jenkins
		Pluggable AuthN framework	DONE	Support for AuthN filters, security context
M3	7/07/2014	Name	Status	Description
		MD-SAL AuthZ	PoC	Access control for MD-SAL rpc, data store, and pub/sub
		Access policy engine	PoC	Define access control policies and an engine to process them
		IdMLight	PROGRESS	Provides user/role/domain CRUD & username/password authentication
		SSSD Integration	PROGRESS	Support SSSD as an IdP
		OSGi application security	Deferred	Leverage OSGi security to apply access permissions on Karaf features
M4	8/04/2014	Name	Status	Description
		API Freeze	FINALIZING	All APIs are defined, but still need to verify with other consumer projects (dlux, etc...) before finalizing them (this week, 8/4)
		AuthZ-enabled MDSAL API	DONE	API changes for AuthZ-enabled MD-SAL
		Access Policy API	FINALIZING	API for Access Policy CRUD
		IdMLight API	FINALIZING	API for user/role/domain and role assignment CRUD
		Token endpoint API	DONE	API for creating an access token
		Karaf integration	DONE	AAA as Karaf features

M5	9/1/2014	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Code Freeze</td><td>COMPLETE</td><td>Authentication Services only</td></tr><tr><td>Authentication Services</td><td>DONE</td><td>Credential & SSSD Federation</td></tr><tr><td>AuthZ-enabled MDSAL</td><td>DONE</td><td>AuthZ-enabled MD-SAL</td></tr><tr><td>Access Policy</td><td>DONE</td><td>AuthZ policy CRUD</td></tr><tr><td>AuthZ Services</td><td>Deferred</td><td>AuthZ service to enforce access policies</td></tr></table>			Name	Status	Description	Code Freeze	COMPLETE	Authentication Services only	Authentication Services	DONE	Credential & SSSD Federation	AuthZ-enabled MDSAL	DONE	AuthZ-enabled MD-SAL	Access Policy	DONE	AuthZ policy CRUD	AuthZ Services	Deferred	AuthZ service to enforce access policies
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RC0	9/9/2014	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Documentation review</td><td>Documentation update</td></tr><tr><td>Integration testing</td><td>Execution of & Participation in continuous integration tests (IT)</td></tr></table>			Name	Description	Documentation review	Documentation update	Integration testing	Execution of & Participation in continuous integration tests (IT)												
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RC1	9/15/2014	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Bugfixing</td><td>Fixing bugs/issues found during IT</td></tr></table>			Name	Description	Bugfixing	Fixing bugs/issues found during IT														
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RC2	9/22/2014	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Release Review</td><td>Release Review</td></tr></table>			Name	Description	Release Review	Release Review														
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Formal Release	9/29/2014	<table><tr><th>Name</th><th>Description</th></tr><tr><td>AA Release</td><td>Pluggable, out-of-the-box token-based AuthN and MD-SAL AuthZ app-specific AuthZ</td></tr></table>			Name	Description	AA Release	Pluggable, out-of-the-box token-based AuthN and MD-SAL AuthZ app-specific AuthZ														
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Expected Dependencies on Other Projects

- dlux -> Needs to integrate with dlux for token-based authentication vs http basic
- controller/karaf -> OSGi security work (currently out-of-scope for Helium)
- mdsal/datastore -> AuthN Restconf connector (add AuthN filters in web.xml), AuthZ access control
- GBP, OpenDove, etc... -> "multi-tenancy"

Compatibility with Previous Releases

No compatibility issues are known

Themes and Priorities

== Other ==