

- <https://mirantis.jira.com/browse/PROD-7445>
- <https://drive.google.com/drive/folders/0B8-dXLss6DadOVFGUmIzSzdCZVE>
- StackLight plugins upgrade path from 0.10.x to 1.0.0 on MOS 9.x  
[https://docs.google.com/document/d/1Jz3a965FKS-O8nspcW6UJDYAh\\_f3tzMZU3\\_CsbkZ\\_UY/edit#heading=h.6b4umdn1rypp](https://docs.google.com/document/d/1Jz3a965FKS-O8nspcW6UJDYAh_f3tzMZU3_CsbkZ_UY/edit#heading=h.6b4umdn1rypp)

Created On	2/3/2017
Completed	No

Passed	ProdFailed	TestFailed	InfraFailed	Skipped
100% (90/90)	0% (0/90)	0% (0/90)	0% (0/90)	0% (0/90)
Other	Failed	Blocked	Untested	In progress
0% (0/90)	0% (0/90)	0% (0/90)	0% (0/90)	0% (0/90)
Fixed	Regression			
0% (0/90)	0% (0/90)			

## 1. Basic LCM tests

Basic LCM tests combining all the StackLight plugins. The environment doesn't leverage the Fuel Reduced Footprint feature (eg "virt" nodes).

ID	Title	Assigned To	Launchpad bug All	Status
T28511988	Install all the plugins			Passed
T28511989	Deploy an environment with all the plugins			Passed
T28511990	Add/remove controller nodes in existing environment			Passed
T28511991	Add/remove compute nodes in existing environment			Passed
T28511992	Uninstall the plugins with deployed environment			Passed
T28511993	Uninstall the plugins			Passed
T28511994	Run fuel-createmirror and deploy environment		<a href="#">Link</a>	Passed
T28511995	Fuel-createmirror and setup of core repos			Passed

## 2. Advanced LCM tests

Advanced LCM tests combining all the StackLight plugins. These tests include:

- Scaling up the StackLight clusters.
- Scaling down the StackLight clusters.
- Failover scenarios.

ID	Title	Assigned To	Launchpad bug All	Status
T28511997	Deploy plugins in HA mode			Passed
T28511998	Add/remove toolchain nodes in existing environment		<a href="#">Link</a>	Passed
T28511999	Shutdown InfluxDB node			Passed
T28512000	Shutdown Elasticsearch node			Passed
T28512001	Shutdown infrastructure alerting node			Passed
T28512002	Deploy plugins in HA mode with CEPH backend			Passed
T28512003	Deploy plugins with platform components			Passed

### 3. Reduced footprint environment

Basic LCM tests combining all the StackLight plugins. The environment leverages the **Fuel Reduced Footprint** feature.

ID	Title	Assigned To	Launchpad bug All	Status
T28512004	Deploy an environment using virt nodes with all the plugins			Passed

### 4. Detached plugins

Tests validating the StackLight toolchain with the so-called "detached role" plugins such as detached-database and detached-rabbitmq.

ID	Title	Assigned To	Launchpad bug All	Status
T28512010	Deploy an environment with all plugins and detach-rabbitmq			Passed

### 5. Post installation

Tests validating that the StackLight toolchain can be deployed in an existing environment.

ID	Title	Assigned To	Launchpad bug All	Status
T28512012	Deploy an environment without the StackLight plugins			Passed
T28512013	Deploy the StackLight plugins in the existing environment			Passed

### 6. Network templates

Tests validating that the StackLight backends can be deployed on a custom network (eg not the management network).

ID	Title	Assigned To	Launchpad bug All	Status
T28512011	Deploy the toolchain using network			Passed

templates

T28512038 Deploy the toolchain with the dashboards on the public network

Passed

## 7. LDAP integration

Tests validating that the StackLight services can be integrated with an external LDAP service for authentication and authorization.

ID	Title	Assigned To	Launchpad bug All	Status
T28512014	Deploy the toolchain using LDAP for authentication			Passed
T28512015	Deploy the toolchain using LDAP for authentication and authorization			Passed
T28512016	Deploy the toolchain using LDAPS for authentication and authorization			Passed
T28512090	Test that the SL VIP on the public network is properly configured for LDAP authentication.			Passed

## 8. HTTPS

Tests validating that the StackLight services support the HTTPS protocol.

ID	Title	Assigned To	Launchpad bug All	Status
T28512032	Deploy the toolchain with HTTPS support			Passed

## 9. Neutron features

ID	Title	Assigned To	Launchpad bug All	Status
T28512033	Deploy plugins with Neutron VxLAN			Passed
T28512034	Deploy plugins with DVR and VLAN segmentation			Passed
T28512035	Deploy plugins with DVR and VxLAN segmentation			Passed
T28512036	Deploy plugins with L3 HA and VLAN segmentation			Passed
T28512037	Deploy plugins with L3 HA and VxLAN segmentation			Passed

## 10. Functional testing

Tests validating that the StackLight toolchain monitors the environment as expected and that it detects operational faults.

ID	Title	Assigned To	Launchpad bug All	Status
T28512017	Display and query logs in the Kibana UI			Passed

T28512018	Display and query Nova notifications in the Kibana UI	Passed
T28512019	Display and query Glance notifications in the Kibana UI	Passed
T28512020	Display and query Cinder notifications in the Kibana UI	Passed
T28512021	Display and query Heat notifications in the Kibana UI	Passed
T28512022	Display and query Neutron notifications in the Kibana UI	Passed
T28512023	Display and query Keystone notifications in the Kibana UI	Passed
T28512024	Display the dashboards in the Grafana UI	Passed
T28512025	Display the Nova metrics in the Grafana UI	Passed
T28512026	Report OpenStack service alerts with warning severity	Passed
T28512027	Report OpenStack service alerts with critical severity	Passed
T28512028	Report node alerts with warning severity	Passed
T28512029	Report node alerts with critical severity	Passed
T28512030	Restart services during workload	Passed
T28512031	Test SMTP notifications with LMA Collector	Passed

## 11. Destructive testing

Tests validating that the StackLight toolchain can handle and recover from failure situations such as network outage, cluster degradation and so on.

ID	Title	Assigned To	Launchpad bug All	Status
T28512007	Simulate network failure on the analytics node			Passed
T28512008	Simulate network interruption in the whole cluster			Passed
T28512074	Destroy primary controller			Passed
T28512075	Reboot node with plugin roles			Passed

## 12. Alarms

Tests validating built-in LMA Collector alarms.

Cases with prefix [Blocked for now] are blocked until the task <https://mirantis.jira.com/browse/PROD-7105> is done.

ID	Title	Assigned To	Launchpad bug All	Status
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T28512039 Controller CPU [Blocked for now]		Passed
T28512040 Compute CPU [Blocked for now]		Passed
T28512041 RabbitMQ CPU [Blocked for now]		Passed
T28512042 MYSQL CPU [Blocked for now]		Passed
T28512043 Storage CPU [Blocked for now]		Passed
T28512044 Default CPU [Blocked for now]		Passed
T28512045 RabbitMQ disk limit		Passed
T28512046 RabbitMQ memory limit		Passed
T28512047 RabbitMQ queue [Blocked for now]		Passed
T28512048 Apache [Blocked for now]		Passed
T28512049 Log FS		Passed
T28512050 Root FS		Passed
T28512051 MYSQL FS		Passed
T28512052 Nova FS		Passed
T28512053 Nova errors	<a href="#">Link</a>	Passed
T28512054 Heat errors	<a href="#">Link</a>	Passed
T28512055 Swift errors	<a href="#">Link</a>	Passed
T28512056 Cinder errors	<a href="#">Link</a>	Passed
T28512057 Glance errors	<a href="#">Link</a>	Passed
T28512058 Neutron errors	<a href="#">Link</a>	Passed
T28512059 Keystone errors	<a href="#">Link</a>	Passed
T28512060 MYSQL node connection		Passed
T28512061 CEPH health		Passed
T28512062 CEPH capacity		Passed
T28512063 Elasticsearch health		Passed
T28512064 Elasticsearch FS		Passed
T28512065 InfluxDB FS		Passed
T28512067 HDD errors		Passed
T28512068 Pacemaker resource restart		Passed
T28512069 Keystone response [Blocked for now]		Passed
T28512070 Swap usage [Blocked for now]		Passed
T28512071 VM creation time		Passed
T28512072 RabbitMQ split-brain conditions		Passed
T28512073 Service checks failures		Passed
T28512077 MySQL node ready		Passed

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T28512082	Disk partition free space	Passed
T28512083	Horizon 5xx errors	Passed
T28512088	Check <openstack._service>-api metrics	Passed
T28512089	Check openstack_<service>-api alarms	Passed

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### 13. Upgrade tests

ID	Title	Assigned To	Launchpad bug All	Status
T28512086	Upgrade from 0.10 to 1.0 version			Passed

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