**Functional Test Report for**

**Deployment Testing without DNS**

on 16-07-2025

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# Testing Scope

The scope of testing is to verify fitment to the specification from the perspective of

* Deployability
* Functionality

Verification is performed not only from the end user perspective but also from the System Integrator (SI) point of view. Hence Configurability and Extensibility of the software is also assessed. This ensures readiness of software for use in multiple countries. Since MOSIP is an “API First” product platform, Verification scope required comprehensive automation testing for all the MOSIP APIs. An automation Test Rig is created for the same.

# Test Approach

**Reference docs:**

[GitHub Document](https://github.com/mosip/documentation/blob/1.2.0/docs/setup/deploymentnew/v3-installation/1.2.0.2/on-premises-deployment-without-dns.md)

* Deployability
* Functionality

Environment name: mod.mosip.net

Deployment test completed date: 16th July 2025.

# Time taken for deployment

|  |  |  |
| --- | --- | --- |
| **Step No** | **Step Description** | **Time Taken without DNS** |
| 1 | Pre-requisites | 2 hours |
| 2 | Wireguard | 2 hours |
| 3 | Observation K8s Cluster setup and configuration ([Bug](https://mosip.atlassian.net/browse/MOSIP-42242)) | 4 hours |
| 4 | Observation K8s Cluster Ingress and Storage class setup | 2 hours |
| 5 | Setting up nginx server for Observation K8s Cluster ([Bug](https://mosip.atlassian.net/browse/MOSIP-42247)) | 3 hours |
| 6 | Observation K8's Cluster Apps Installation | 3 hours |
| 7 | MOSIP K8s Cluster setup ([Bug](https://mosip.atlassian.net/browse/MOSIP-42272)) | 4 hours |
| 8 | MOSIP K8 Cluster Global configmap, Ingress and Storage Class setup ([Bug](https://mosip.atlassian.net/browse/MOSIP-42295)) | 4 hours |
| 9 | Import MOSIP Cluster into Rancher UI(Not Succeed – [Bug](https://mosip.atlassian.net/browse/MOSIP-42295)) | 1 hr |
| 10 | MOSIP K8 cluster Nginx server setup | 1 hour |
| 11 | MOSIP External Dependencies setup ([Bug](https://mosip.atlassian.net/browse/MOSIP-42272)) | 1 hour |
| 12 | MOSIP Modules Deployment | 2 hours |
| 13 | API Testrig & DSLRig(Not Succeed – [Bug](https://mosip.atlassian.net/browse/MOSIP-42341)) | 1 hour |

# Main features tested:

* MOSIP services deployed successfully
* Basic functionality: Unable to run automation - [Bug](https://mosip.atlassian.net/browse/MOSIP-42341)