

# ALTO: Nitrogen: Release Plan

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## Introduction

[ALTO Project Wiki](#)

## Release Deliverables

Only new deliverables are listed here, see [ALTO:Main](#) and visit corresponding release plans for deliverables from previous releases.

Name	Description
Bug fixes	<ul style="list-style-type: none"><li>• Fixes for bugs reported in Bugzilla</li></ul>
Code improvements	<ul style="list-style-type: none"><li>• Reduces the project structure to make it simpler.</li><li>• Improves code quality and guarantees test coverage</li></ul>
Service extensions	<ul style="list-style-type: none"><li>• Implement the <b>path-vector</b> extension</li></ul>
User interface	<ul style="list-style-type: none"><li>• Add CLI for service configurations</li></ul>
Documentation	<ul style="list-style-type: none"><li>• Improve the documentation quality</li></ul>

## Release Milestones

- **Offset:** 2

Milestone	Offset 2 Date	Deliverables	
M1	06/21/2017	<b>Name</b>	<b>Description</b>
		Release Plan	Candidate Release Plan
M2	07/14/2017	<b>Name</b>	<b>Description</b>
		Release Plan	Final Release Plan

M3	07/14/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Feature Freeze</td><td></td></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		Name	Description	Feature Freeze		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	Extension Distribution	A running candidate of what is attempting to be the extension distribution.
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M4	07/14/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>API Freeze</td><td></td></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		Name	Description	API Freeze		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	Extension Distribution	A running candidate of what is attempting to be the extension distribution.
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M5	08/14/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Code Freeze</td><td></td></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		Name	Description	Code Freeze		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	Extension Distribution	A running candidate of what is attempting to be the extension distribution.
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RC0	08/14/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		Name	Description	Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	Extension Distribution	A running candidate of what is attempting to be the extension distribution.		
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RC1	08/21/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		Name	Description	Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	Extension Distribution	A running candidate of what is attempting to be the extension distribution.		
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RC2	08/28/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Release Review</td><td>Release Review Description</td></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		Name	Description	Release Review	Release Review Description	Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	Extension Distribution	A running candidate of what is attempting to be the extension distribution.
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RC3	09/03/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Release Review</td><td>Release Review Description</td></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		Name	Description	Release Review	Release Review Description	Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	Extension Distribution	A running candidate of what is attempting to be the extension distribution.
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Formal Release	09/07/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Deliverable Name</td><td>Deliverable Description</td></tr></table>		Name	Description	Deliverable Name	Deliverable Description				
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## Externally Consumable APIs

## Expected Dependencies on Other Projects

- Depends on [OpenFlow Plugin](#), [L2Switch](#) and all their dependent projects.

Providing Project	Deliverable Name	Needed By	Acknowledged?	Description
controller	features	M3	Implicit	basic controller features
mdsal	features	M3	Implicit	mdsal features
odlparent	features	M3	Implicit	odlparent values
yangtools	features	M3	Implicit	yangtools for compiling yang
openflowplugin	features	M3	No	flow programming and extensions
l2switch	features	M3	No	arp handler and host tracker

## Expected Incompatibilities with Other Projects

- Not compatible with **odl-l2switch-switch**.

## Compatibility with Previous Releases

- The **path-vector** extension can lead to incompatibilities with cost-map and simple-ecs service of previous releases.

## Themes and Priorities

- Increasing code quality with increased UT, IT and CSIT coverage.
- Improve the documentation quality of User Guide, Developer Guide, and Tutorial.

## Requests from Other Projects

N/A

## Test Tools Requirements

- OpenDaylight CSIT Framework
- Mininet

## Other