

Atrium

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Introduction

Project Atrium is an initiative by Open Networking Foundation to develop an open source SDN distribution - a vertically integrated set of open source components which together form a complete SDN stack. It's goals are threefold:

- Close the large integration-gap of the elements that are needed to build an SDN stack - while there are multiple choices at each layer, there are missing pieces with poor or no integration.
- Overcome a massive gap in interoperability - This exists both at the switch level, where existing products from different vendors have limited compatibility, making it difficult to connect an arbitrary switch and controller; and at an API level, where its difficult to write a portable application across multiple controller platforms.
- Work closely with network operators on deployable use-cases, so that they could download near production quality code from one location, and get started with functioning software defined networks on real hardware.

More details of Project Atrium is available [here](#))

In its simplest form the BGP Peering Router is an open source Router which speaks BGP with other routers and builds control plane information for routing packets. This control plane information is configured in the data plane switches from different vendors using Openflow 1.3 protocol. The SDN controller platform helps in this provisioning by providing platform services to interact with the providers or plugins which implement the Openflow interface.

Project Information

- Boron
 - [Atrium Boron Release Plan](#)
- [Project Proposal](#)
- Test contact: Subhash Singh (subhash_singh@critterionnetworks.com)
- Documentation contact: Raaghavi Sivaguru (raaghavi.sivaguru@wipro.com)

Documentation

The tutorial for OpenDaylight based implementation of Atrium Router is available [here](#)

Logical Subprojects

There are no sub-projects currently for this project

People

- Manoj K Nair - manoj.krishnan@wipro.com
- Subhash Singh - subhash_singh@critterionnetworks.com
- Raaghavi Sivaguru - raaghavi.sivaguru@wipro.com
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References

Project Facts

Project Creation Date: March 31st 2016

Lifecycle State: Boron Release (Offset 2)

Primary Contact: Manoj K Nair
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Committers:

- Manoj K Nair - manoj.krishnan@wipro.com
- Subhash Singh - subhash_singh@critterionnetworks.com
- Raaghavi Sivaguru - raaghavi.sivaguru@wipro.com
- Barathi Subrahmaniam - barathi.subrahmaniam@wipro.com
- Harsh Awasthi - harsh.52@wipro.com

IRC: [freenode.net](#) #opendaylight

Mailing List: atrium-dev@lists.opendaylight.org

Archives: [mailing list archives](#)

Meetings: See [Community Meetings](#)

Repository: git clone <https://git.opendaylight.org/gerrit/atrium>

Jenkins: [jenkins silo](#)

Gerrit Patches: [code patches /reviews](#)

Bugs:

- [open bugs](#)

- [Atrium Opendaylight Overview](#)
- [Atrium Architecture](#)
- [Installation Guide](#)
- [Atrium all-in-built VM](#)

Requirements

Release Planning

Release Notes