

SecureNetworkBootstrapping

Welcome to SecureNetworkBootstrapping

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Introduction

The Secure Network Bootstrapping Infrastructure (SNBI) project securely and automatically brings up an integrated set of network devices and controllers. Typically, operators must perform some manual key distribution process before secure communication is possible between a set of network devices. Instead, SNBI uses a zero-touch approach to bootstrapping that leverages manufacturer-installed IEEE 802.1AR certificates to secure even the initial communications. SNBI devices and controllers automatically discover each other, get an IP-address assigned, and establish secure IP connectivity. In addition, this discovery process reveals the physical topology of the network, exposes each type of a device (i.e. whether it is a regular network device or a controller), and assigns the domain for each device. This device type and domain information can also be used for initiating controller federation processes. As part of the SNBI project a basic infrastructure to host, run, and lifecycle-manage multiple network components/functions within a network device is created. These components/functions can include individual network element services, such as performance measurement, traffic-sniffing functionality, or traffic transformation functionality.

Documentation

SNBI Architecture and Design

- [SNBI Architecture and Design](#)
- [Project Proposal](#)
- [SNBI Beryllium:Tutorial](#)

Requirements

Release Planning

- [Release Plan](#)
- [Helium Release Review](#)
- [Helium Release Note](#)
- [Lithium Items](#)
- [Lithium Release Plan](#)

Project Facts

Project Creation Date: May 18th, 2014

Lifecycle State: Incubation

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Mailing List: snbi-dev@lists.opendaylight.org
Archives: [mailing list archives](#)

Meetings: See [Community Meetings](#)

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

Jenkins: [jenkins silo](#)

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

Bugs:

- [open bugs](#)

- [Lithium Release Review](#)
- [Beryllium Release Plan](#)
- [Beryllium Release Review](#)
- [Boron Release Plan](#)
- [Boron Release Review](#)

Communication: Weekly SNBI meeting (Open to All), IRC channel, Mailing-list

- Weekly SNBI meeting on Wednesday's 9:00-10:00 PST/PDT | 17:00-18:00 GMT

Go To: <https://cisco.webex.com/cisco/j.php?J=204045408&PW=NMjE3M2ZmYmNm>

Meeting Password ----- welcome
Meeting Number ----- 204 045 408

Release Notes