



# SAI 3.0.3.2

## Release Notes

September 08, 2017

SAI-RN100

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For a comprehensive list of changes in this document, see the [Revision History](#).

Corporate Headquarters

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# 1. Overview

This document provides a general description of the Broadcom SAI adapter release. It also describes the supported platforms, API support, resolved issues, and any relevant open issues.

## API details:

### Existing APIs:

- sai\_get\_acl\_table\_attribute
- sai\_create\_acl\_entry
- sai\_delete\_acl\_entry
- sai\_set\_acl\_entry\_attribute
- sai\_remove\_acl\_range
- sai\_create\_acl\_counter
- sai\_delete\_acl\_counter
- sai\_get\_acl\_counter\_attribute
- sai\_create\_acl\_range
- sai\_create\_fdb\_entry
- sai\_remove\_fdb\_entry
- sai\_get\_fdb\_entry\_attribute
- sai\_fdb\_event\_notification
- sai\_create\_hostif\_trap\_group
- sai\_remove\_hostif\_trap\_group
- sai\_set\_hostif\_trap\_group\_attribute
- sai\_set\_hostif\_trap\_attribute
- sai\_remove\_hostif
- sai\_set\_hostif\_attribute
- sai\_create\_lag
- sai\_remove\_lag
- sai\_get\_lag\_attribute
- sai\_create\_lag\_member
- sai\_remove\_lag\_member
- set\_lag\_member\_attribute
- sai\_create\_mirror\_session
- sai\_remove\_mirror\_session
- sai\_remove\_neighbor\_entry
- sai\_create\_next\_hop
- sai\_remove\_next\_hop
- sai\_set\_next\_hop\_attribute
- sai\_create\_next\_hop\_group
- sai\_remove\_next\_hop\_group
- sai\_create\_policer
- sai\_remove\_policer
- sai\_get\_policer\_attribute
- sai\_get\_port\_attribute
- sai\_get\_port\_stats
- sai\_port\_event\_notification

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- sai\_remove\_route
  - sai\_create\_virtual\_router
  - sai\_remove\_virtual\_router
  - sai\_create\_router\_interface
  - sai\_remove\_router\_interface
  - sai\_set\_switch\_attribute
  - sai\_create\_vlan
  - sai\_remove\_vlan
  - sai\_get\_vlan\_attribute
  - sai\_create\_vlan\_member
  - sai\_remove\_vlan\_member
  - sai\_get\_vlan\_member\_attribute
  - sai\_create\_qos\_map
  - sai\_get\_queue\_stats
  - sai\_set\_queue\_attribute
  - sai\_get\_queue\_attribute
  - sai\_create\_scheduler\_profile
  - sai\_remove\_scheduler\_profile
  - sai\_set\_scheduler\_attribute
  - sai\_get\_scheduler\_attribute
  - sai\_set\_scheduler\_group\_attribute
  - sai\_get\_scheduler\_group\_attribute
  - sai\_create\_wred
  - sai\_remove\_wred
  - sai\_get\_wred\_attribute
  - sai\_create\_buffer\_pool
  - sai\_set\_ingress\_priority\_group\_attr
  - sai\_create\_buffer\_profile
  - sai\_create\_tunnel
  - sai\_create\_tunnel\_term\_table\_entry
  - sai\_create\_udf
  - sai\_remove\_udf
  - sai\_create\_udf\_match
  - sai\_create\_udf\_group

Updated APIs (e.g. new attribute support or bug fix):

- sai\_create\_acl\_table
- sai\_delete\_acl\_table
- sai\_create\_hostif
- sai\_create\_neighbor\_entry
- sai\_set\_neighbor\_attribute
- sai\_create\_route
- sai\_set\_route\_attribute
- sai\_create\_switch
- sai\_remove\_switch
- sai\_get\_switch\_attribute

#### New APIs:

- sai\_create\_acl\_table\_group
- sai\_remove\_acl\_table\_group
- sai\_create\_acl\_table\_group\_member
- sai\_remove\_acl\_table\_group\_member
- sai\_create\_bridge\_port
- sai\_remove\_bridge\_port
- sai\_set\_bridge\_port\_attribute
- sai\_get\_bridge\_port\_attribute
- sai\_get\_bridge\_attribute
- sai\_set\_lag\_attribute
- sai\_set\_mirror\_session\_attribute
- sai\_set\_port\_attribute
- sai\_set\_vlan\_attribute

## 1.1 Dependencies

This package depends on OpenNSL 3.2.3.5.

## 2. Deliverables

This section contains information about the deliverables.

### 2.1 Date of Delivery

SAI adapter version 3.0.3.2 was released on September 08, 2017.

### 2.2 Distribution Method

SAI adapter is distributed through the Broadcom DocSafe.

### 2.3 Items Included in This Release

The following items are included in this release:

SAI adapter library for supported platforms.

Corresponding SAI header files from SAI version 1.0.3

## 3. Platform Support

This release contains support for the platforms listed in the following table:

| Platform     | Broadcom Switching Silicon |
|--------------|----------------------------|
| Dell S6000   | Trident-II (BCM56850_A1)   |
| Dell S6100   | Tomahawk (BCM56960_A0)     |
| BRCM TD2 SVK | Trident-II (BCM56850_A1)   |
| BRCM TH SVK  | Tomahawk (BCM56960_A0)     |

## 4. Testing

Unit level testing was performed on core features.

## 5. Issues Resolved

- Support Host Table.
- Support ACL table group, group members and binding feature.
- Support Route packet action update dynamically.
- Support .1Q bridge ports.
- Support PFC deadlock recovery on TD2, TH.
- Support setting Neighbor mac address and packet action dynamically.
- L3 route, neighbor, ecmp groups - creation, deletion, update performance improvements.

## 6. Known Issues

- Warmboot is currently not supported.

## 7. Previous Releases

The following table lists the previous release.

| Date          | Release Number | Feature Set                 | Codebase |
|---------------|----------------|-----------------------------|----------|
| March 1, 2016 | 1.0.0.0        | SAI 0.9.3 (partial support) | —        |

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| <i><b>Date</b></i> | <i><b>Release Number</b></i> | <i><b>Feature Set</b></i>   | <i><b>Codebase</b></i> |
|--------------------|------------------------------|-----------------------------|------------------------|
| Nov 22, 2016       | 2.0.3.7                      | SAI 0.9.4 (partial support) | –                      |
| April 04, 2017     | 2.2.0.2                      | SAI 1.0 (partial support)   | –                      |





# Appendix A: Revision History

## Version 0.1, November 2016

Initial document version.

