

Microsoft Teams Direct Routing Survivable Branch Appliance



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Notice

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This document is subject to change without notice.

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Abbreviations and Terminology

Each abbreviation, unless widely used, is spelled out in full when first used.

Throughout this manual and unless otherwise specified, the term *device* refers to the Microsoft Teams Direct Routing (Direct Routing SBA).

Related Documentation

Document Name
Mediant 800B SBA for Skype for Business Installation and Maintenance Manual
Mediant 1000B SBA for Skype for Business Installation and Maintenance Manual
Microsoft Teams Direct Routing SBA Installation and Maintenance Manual

Document Revision Record

LTRT	Description
33460	Initial document release
33461	Release for version 1.0.112
33462	Update to Teams Direct Routing SBA update procedure
33463	Release for version 1.0.131
33464	Release for version 1.0.135

Documentation Feedback

AudioCodes continually strives to produce high quality documentation. If you have any comments (suggestions or errors) regarding this document, please fill out the Documentation Feedback form on our Web site at <https://online.audiocodes.com/documentation-feedback>.

1 Introduction

This document describes the new features, known constraints, and resolved constraints of AudioCodes Teams Direct Routing Survivable Branch Appliance (Teams Direct Routing SBA) Version 1.0 for Microsoft Teams.

1.1 Software Revision Record

The following table lists the Direct Routing SBA versions for Release 1.0.



The software versions can be downloaded from AudioCodes' Services Portal (registered Customers only) at <https://services.audiocodes.com>.

The Virtual SBA can be downloaded at: https://downloads-audiocodes.s3.eu-central-1.amazonaws.com/Download/Virtual_Teams_DR_SBA.html

Table 1: Software Revision Record

Software Version	Released Date
1.0.23	January 2021
1.0.112	May 2021
1.0.125	January 2022
1.0.126	February 2022
1.0.131	May 2022
1.0.135	June 2022

2 New Features

This section describes the new features introduced in this version.

2.1 Software Update 1.0.135

- New MSI file for Microsoft service version 2.6.3.1:
 - Issue resolved regarding incoming PSTN call disconnection when more than one client is connected for same user.
 - Issue resolved regarding certificate validation between SBA and Teams cloud.
- OVOC support (OVOC cloud over WebSocket).

2.2 Software Update 1.0.131

New MSI file for Microsoft service version 2.5.3.1 - this new version from Microsoft fixes the PSTN calls that got 480 from SBA when internet was down.

2.3 Software Update 1.0.130

- New MSI file for Microsoft service Microsoft.Teams.SBA.Setup - 2022.2.10.10

2.4 Software Update 1.0.127

- Bug Fixes

2.5 Software Update 1.0.125

- Setup script - stop Microsoft service will delete the data and cache files

2.6 Software Update 1.0.123

- New MSI file for Microsoft service Microsoft.Teams.SBA.Setup - 1.11.10.1 (certificate fix)
- New version for service TeamsSbaConfigSetup – version 1.0.124.51570
- New PHP version 7.4.27

2.7 Software Update 1.0.121

- New PHP version 7.4.21
- New version for service MainAgent 3.0.2.49551
- New version for service AlarmsAgent 3.0.4.50193
- New version for service TeamsSbaConfigSetup - 1.0.121.50447
- WebAdmin - fixed bar alarm when Logged in as local user and the SBA in the domain
- Microsoft service version number added to version tooltip

2.8 Software Update 1.0.120

- New MSI file for Microsoft service Microsoft.Teams.SBA.Setup - 2021091902
- New version for service MainAgent 3.0.1.49457

2.9 Software Update 1.0.116

- New MSI file for Microsoft service Microsoft.Teams.SBA.Setup - 2021-02-01
- New version for service AlarmsAgent 3.0.0.49281
- New version for service TeamsSbaConfigSetup - 1.0.109.49443

2.10 Software Update 1.0.112

2.10.1 Direct Routing Survivable Branch Virtual Appliance

This release includes the offering of the Teams – Direct Routing Survivable Branch Virtual Appliance (Direct Routing SBA) for deployment on VMware and HyperV platforms.

2.10.2 PHP version 7.4.16

This release includes PHP version 7.4.16.

2.10.3 Teams PowerShell 2.0.0

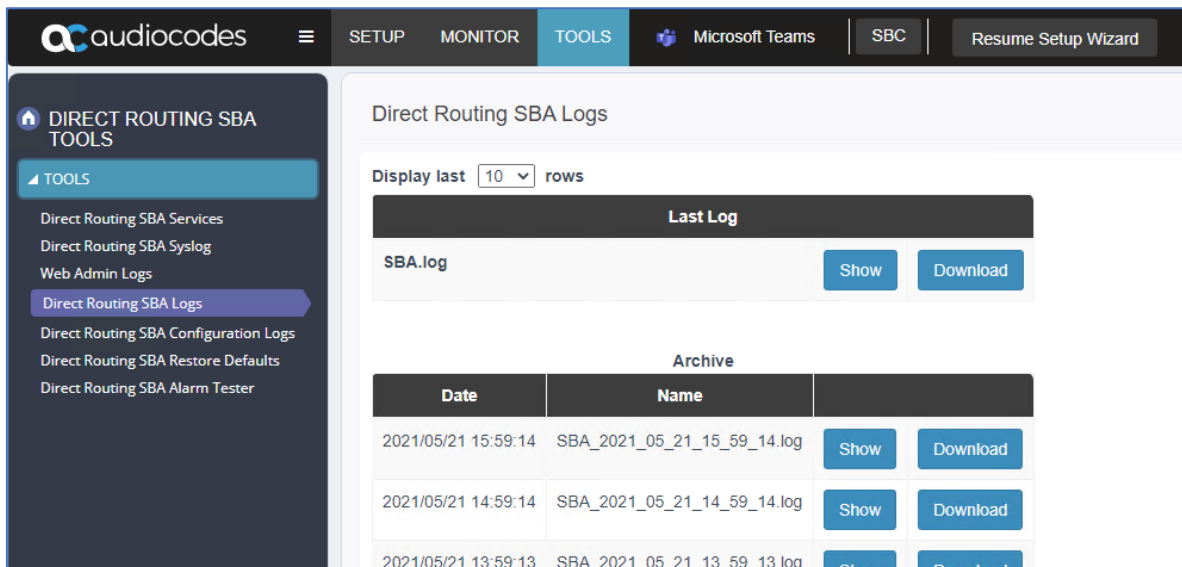
The SBA now runs on Teams PowerShell (2.0.0) instead of Skype for Business Online PowerShell.

2.10.4 Improved Wizard Start Time

The time taken by the SBA wizard to start the collection of information including SBC information has been reduced.

2.10.5 Add to Web GUI Microsoft SBA Service Logs

A new Tools menu option has been added has to display/download Microsoft SBA service logs.



The screenshot shows the Audiocodes web interface. The top navigation bar includes 'SETUP', 'MONITOR', 'TOOLS', 'Microsoft Teams', 'SBC', and 'Resume Setup Wizard'. The left sidebar shows a 'DIRECT ROUTING SBA TOOLS' menu with 'TOOLS' selected. The main content area is titled 'Direct Routing SBA Logs' and features a 'Display last 10 rows' dropdown. Below this, there is a 'Last Log' section with a table entry for 'SBA.log' and 'Show' and 'Download' buttons. An 'Archive' section contains a table with columns for 'Date', 'Name', and buttons for 'Show' and 'Download'.

Date	Name	Show	Download
2021/05/21 15:59:14	SBA_2021_05_21_15_59_14.log	Show	Download
2021/05/21 14:59:14	SBA_2021_05_21_14_59_14.log	Show	Download
2021/05/21 13:59:13	SBA_2021_05_21_13_59_13.log	Show	Download

2.10.6 Display the Microsoft SBA Engine Version

The Microsoft SBA engine version is now displayed on the dashboard.

The screenshot shows the Audiocodes dashboard for a Direct Routing Survivability Branch Appliance (SBA) for Microsoft Teams. The top navigation bar includes 'audiocodes', 'SETUP', 'MONITOR', 'TOOLS', 'Microsoft Teams', 'SBC', and 'Resume Setup Wizard'. The main content area displays the following information:

Status	Server Name	Domain	Last Boot UpTime	Direct Routing SBA Version
Warning (triangle icon)	WIN-SKNJSI1AG10	No Domain	05/06/2021 16:31:50	1.0.112

Below the table, there is a section for 'ACTIVE REGISTERED' users, showing 0 users. A 'More info' link is available. To the right, a detailed version information box is displayed:

```

S/N: 6ac69741e90e43f27186b5bf0773f82edb40f1
OS Version: 10.0.17763
Config Version: 1.0.109.49443
MS SBA Version: 2021.1.26.4
  
```

2.10.7 Alarms Tester

A new Tools menu option has been added to generate test alarms and send them to OVOC.

The screenshot shows the Audiocodes dashboard with the 'TOOLS' menu selected. The left sidebar lists various tools, with 'Direct Routing SBA Alarm Tester' highlighted. The main content area displays the 'Send Test Alarm To The OVOC' tool interface:

Name: Direct Routing SBA Services Status Alarm

Severity Name: Warning

Source: [Empty text field]

Description: [Empty text field]

A 'Test' button is located at the bottom of the form.

2.10.8 Keep the Username Used to Login to Office 365

When re-logging into tenant – it's now possible to use the username that was used for the last login (only the username and not the password).

2.10.9 Mediant 2600 Teams SBA Support

Support for Direct Routing SBA on Mediant 2600 hardware.

2.11 Software Update 1.0.23

This software update includes the following new features.

2.11.1 New Microsoft Teams SBA Service

This version includes Microsoft SBA service Version 1.1.18.7. This new service version includes fixed bugs. The version is installed on a different directory.

When upgrading AudioCodes Direct Routing SBA, you need to perform the setup again from the Teams online setup menu and assign a certificate again.

- You must select the SBA FQDN again (same FQDN as selected before).
- You must set the App Registration ID/secret again (even though in the GUI it looks as though it was already set).
- You must assign the certificate again (same certificate as before).

2.12 Teams Direct Routing SBA Update Procedure

To upgrade AudioCodes Teams Direct Routing SBA:

1. Download the new GUI version from https://downloads-audiocodes.s3.amazonaws.com/Download/AC_Teams_SBA_upgrade.html
2. Stop the Microsoft Teams SBA service.
3. Backup the SBA settings by copy the sbasettings.json under C:\Program Files\Microsoft\Microsoft SBA.
4. Open the **Add Or Remove Programs** menu, and uninstall service **Microsoft Survivable Branch Appliance**.
5. Validate if Microsoft Skype for Business Online PowerShell exists in the **Add Or Remove Programs** menu. If it exists, uninstall Microsoft Skype for Business Online.
6. Upgrade Microsoft Teams PowerShell:
 - a. Start PowerShell.
 - b. At the prompt, type the following:

```
Install-Module -Name MicrosoftTeams -force
```
 - c. At the prompt, to check if an earlier version is installed, type the following:

```
Get-InstalledModule -Name MicrosoftTeams -AllVersions
```

If an earlier version exists, uninstall it:

```
Uninstall-Module -name MicrosoftTeams -RequiredVersion <earlier PowerShell version>
```
7. Run the upgrade files that you downloaded.
8. Copy sbasettings.json back to C:\Program Files\Microsoft\Microsoft SBA.
9. Restart the server.

2.13 Recovery USB Update (for OSN-based devices)

The recovery USB can be upgraded as follows:

1. Download the new WIM file from https://downloads-audiocodes.s3.amazonaws.com/Download/AC_Teams_SBA_Wim.html
2. Copy the downloaded file to the root of the USB. (If there is no free memory, delete the old WIM file.)

-
-
3. In the USB recoveryUtil.ini file, change the WIM file name to the same name as the downloaded file.

3 Known and Resolved Constraints

The table below lists the known and resolved constraints.

Table 2: Known and Resolved Constraints

Incident	Discover Version	Resolved Version	Description
	1.0.131	1.0.135	Search for certificate in SBA certificate store was case sensitive. In case SBA FQDN and certificate subject used different case letters, the SBA GUI didn't display the certificate.
APPSBA-555	1.0.116	1.0.127	SNMP fields are not limited
APPSBA-574	1.0.116	1.0.127	Unnecessary required fields in Request certificate page
APPSBA-571	1.0.116	1.0.127	Wrong and empty Last Log in Direct Routing SBA Configuration Logs page
APPSBA-568	1.0.116	1.0.127	Change settings of SNMP V3 required restart of the OVOC Main Agent service
APPSBA-552	1.0.116	1.0.127	SBC part flash in virtual edition
APPSBA-504	1.0.116	1.0.123	CSR Generation Not Saving Organization Name
APPSBA-522	1.0.116	1.0.123	Error message when no license includes the license's path
APPSBA-532	1.0.116	1.0.123	After MS service upgrade, secure methods with MS service fails - Enable use of TLS chipper 1.1 and 1.2
APPSBA-455	1.0.116	1.0.121	BackEnd collect data to new Dashboard changes (MicrosoftTeamsVersion)
APPSBA-463	1.0.116	1.0.121	Config service - add a method to get/set Microsoft log level
APPSBA-495	1.0.116	1.0.121	Machine ID (Serial Number) depends on Logon User
APPSBA-493	1.0.116	1.0.121	License enforce can be bypass by change in the html/php file
APPSBA-389	1.0.16	1.0.106	Internal IP for VLAN 4021 is not stable and as a result sometimes after resetting it clears or receives configuration.
APPSBA-425	1.0.109	1.0.112	The Teams SBA Restore page does not open
APPSBA-298	1.0.11	1.0.112	The Access list menu is not working
APPSBA-302	1.0.11	1.0.112	USB Recovery/Deploy dongle does not support all USB types
APPSBA-305	1.0.12	1.0.109	OVOC (SNMP) service is missing from the Web admin
APPSBA-315	1.0.14	1.0.100	Can't change to work with Tenant Login from setup menu
APPSBA-316	1.0.21	1.0.100	Teams SBA: During wizard run in the alarms there, there is "400" text
APPSBA-341	1.0.19	1.0.100	Teams SBA: the TeamsSBAConfig fails to generate a serial number
APPSBA-423	1.0.24	1.0.113	Sometimes the SBA failed to re-image via USB
APPSBA-291	1.0.10	1.0.100	For Certificate page no need to login to M365 When opening the Certificate Setup page you had to enter the M365 credentials, now this is not required.

Incident	Discover Version	Resolved Version	Description
APPSBA-325	1.0.10	1.0.101	When an incorrect tenant ID was entered, the appropriate error message was not displayed.
APPSBA-329	1.0.10	1.0.101	It's possible to disable all network adapters.
APPSBA-332	1.0.10	1.0.109	On the Teams Online page when selecting the SBA Teams FQDN tab, the following error message appear: Code: 503. No response from Teams SBA service See attached screenshot and log
APPSBA-378	1.0.23	1.0.103	The FQDN list is not updated immediately when a new FQDN is added or an existing FQDN is deleted.
APPSBA-330	1.0.14	1.0.19	When requesting to obtain a CSR for a second time, an error occurs (the request was only successful for the first request).
APPSBA-341	1.0.19	1.021	The TeamsSBAConfig fails to generate a serial number.
APPSBA-346	1.0.21	1.0.23	PowerShell Cmdlet for Get policy can be deleted.
APPSBA-349	1.0.21	1.0.22	Web admin uses an incorrect URL to access the OVOC main agent.
APPSBA-365 APPSBA-348	1.0.22	1.0.23	Failure to update certificate for Microsoft SBA service.

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