

Configure FieldIdMapping on BroadWorks AS

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Introduction

This document describes the actions to perform to disable Fields from the CDRs (Call Detail Record) created by the BroadWorks Application Server (AS).

Prerequisites

Requirements

- Basic AS knowledge
- Basic BW bwcli knowledge

Components Used

- Cisco BW AS

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Problem

When new features are introduced in the AS, it can be also necessary to introduce new CDR fields, which are used for accounting and billing purposes.

This could cause some Mediation Systems to reject the CDRs or to throw errors or alarms, because the new fields cannot be understood or recognised.

The problem can be often seen following the patching (up to Release 24) or upgrade (starting from Release 25) of the BroadWorks (BW) AS, as these are both actions that could introduce new features.

Solution

The solution for this problem is to disable the fields, so that the AS does not populate the new fields in the CDRs.

To perform this, navigate to **AS_CLI/Interface/Accounting/FieldIdMapping** and run the **get** command to

show the current field settings (showing a partial output for brevity):

```
AS_CLI> cd /Interface/Accounting/FieldIdMapping
AS_CLI/Interface/Accounting/FieldIdMapping> get
Internal Id  External Id          Description
=====
...
473          473          stirShaken.attestationLevel
474          474          stirShaken.origUUID
475          475          publicNetworkAddress
476          476          visitedNetworkId
477          477          groupCallQueuePut.invocationTime
...
...
```

You have already identified, from the error on your Mediation System, that the problem is caused by Field 475 publicNetworkAddress.

Run the **clear** command to disable the field, like in this example:

```
AS_CLI/Interface/Accounting/FieldIdMapping> clear 475 externalId
A restart is required for the change to take effect.
```

Run the **get** again, to review the change:

```
AS_CLI> cd /Interface/Accounting/FieldIdMapping
AS_CLI/Interface/Accounting/FieldIdMapping> get
Internal Id  External Id          Description
=====
...
473          473          stirShaken.attestationLevel
474          474          stirShaken.origUUID
475
476          476          visitedNetworkId
477          477          groupCallQueuePut.invocationTime
...
...
```

Now that the External Id in field 475 is blank, the AS does not populate it in the CDRs.

Note that the field is still present, and the number of fields can grow in the CDR when new features are added. The Mediation System must just discard excess fields or be updated to account for the new fields.

It is also important to note that, as per the warning in the bwcli after running the clear command, the BW processes need to be restarted for the changes to take effect.

In order to do this, from the AS bwcli run this command as **bwadmin**:

```
bwadmin@AS01$ restartbw
```

The restart of the BW processes must always be performed during a maintenance window.

For further information on BW AS Accounting and CDRs, you can check the [Cisco BroadWorks Accounting Call Detail Record Interface Specification](#).