



## **Avaya Solution & Interoperability Test Lab**

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# **Application Notes for Configuring MTS Application Suite with Avaya Aura™ Communication Manager – Issue 1.0**

### **Abstract**

These Application Notes describe the configuration procedures required to allow MTS Application Suite to collect call detail records (CDR) from Avaya Aura™ Communication Manager running on Avaya Media Servers using Avaya Reliable Session Protocol (RSP) over TCP/IP. The MTS Application Suite collects, stores, and processes these call records to provide usage analysis, call costing, and billing capabilities.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.

# 1. Introduction

These Application Notes describe a compliance-tested call detail recording (CDR) solution comprised of Avaya Aura™ Communication Manager and the MTS Application Suite. The Application Suite includes a call accounting software application that uses call detail records to provide reporting capabilities to business and IT managers to track and manage call usage and telecom expenses as well as other Telephony management functions.

Application Suite is a modular architected solution which resides on a Microsoft Windows server, typically at the customer's premises. The server hosts an SQL database which contains configuration as well as detailed records from the configured data sources, including communication systems. The solution is capable of being configured to capture and record data from a variety of sources simultaneously. Avaya Aura™ Communication Manager communicates via an Avaya Reliable Session Protocol (RSP) session, typically over the local TCP/IP network. For the purposes of this test, the Application Suite server was located on the vendor's premises and connected over a WAN. The Application Suite runs as a background service that terminates the RSP protocol, collects the call records from Avaya Aura™ Communication Manager, and stores the records in the database.

In addition, the Application Suite can be configured to run scheduled jobs to collect data files from a variety of sources, including enterprise directories (LDAP for example). Through this scheduling mechanism, the application can be configured to use an SFTP Client to access CDR record files on Avaya Survivable Remote Processors (LSP), enabling consistent and reliable reporting of communication systems data across a large number of sources under a variety of operating conditions.

Users are able to login through a web interface in order to view ad hoc, or preconfigured reports including data collected from Avaya Aura™ Communication Manager(s). Reports can be scheduled to run at certain intervals; output can be configured to be stored on servers in a variety of formats (.xls/.pdf for example) as well as emailed as attachments.

Avaya Aura™ Communication Manager can generate call detail records for intra-switch calls, as well as inbound and outbound trunk calls. In addition, split records can be generated for transferred and conference calls. The Application Suite can support any CDR format provided by Avaya Aura™ Communication Manager; the configuration tested is a "typical" format which does not include all of the data available from Communication Manager. As part of the Application Suite product implementation process, MTS or their dealers configure the system to accurately parse the CDR data.

## 1.1. Interoperability Compliance Testing

A variety on inbound and outbound trunk calls over both H.323 TIE and ISDN PSTN trunks were conducted including a series of conference, transfer and hold use cases. Additionally, internal calls were tested. Finally, internal calls on a Local Survivable Processor (LSP) were tested to validate proper collection of records from a survivable server. The testing was

conducted with the Application Suite server residing remotely, accessible over WAN connections in order to simulate how many customers with multiple office locations deploy these solutions.

On page 2 of the System CDR form on Communication Manager, the actual data fields used in this test are documented. The Application Suite can accommodate any information that Communication Manager is capable of sending to CDR applications by modifying the “custom” CDR format in the Communication Manager forms, and adding additional field definitions on the Application Suite server configuration. The most commonly used data elements MTS deploys with were included in this test.

## 1.2. Support

Technical support for the MTS Application Suite can be obtained through the following:

- **Email:** tech.support@mtsint.com
- **Phone:** 1(800)745-8725

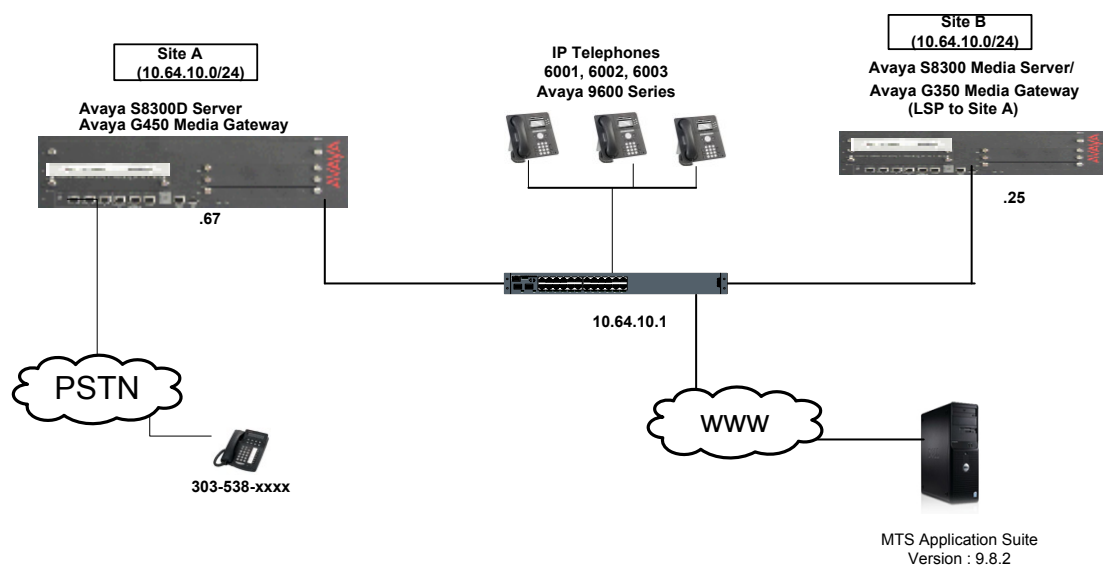
## 2. Reference Configuration

**Figure 1** illustrates the configuration that was used for the compliance test. The configuration consists of two Avaya Media Servers running Avaya Aura™ Communication Manager. Site A is comprised of Avaya Aura™ Communication Manager that runs on an Avaya S8300 Server with an Avaya G450 Media Gateway. Site B is comprised of Avaya Aura™ Communication Manager that runs on an Avaya S8300 Server residing in an Avaya G350 Media Gateway. Site B was configured as a Survivable Remote Processor to the Site A processor. Each Avaya Aura™ Communication Manager is connected to an IP network comprised of an Extreme Networks Summit 48 Layer III switch and Avaya C363T-PWR Converged Stackable Switch.

Calls to/from the test environment were placed over ISDN and H.323 Trunks connected to other equipment in the lab. These additional elements were not shown in the diagram as they were used to simulate PSTN connected systems and endpoints.

The MTS Application Suite was running on a Windows 2008 server residing at the vendor’s location. Real time CDR data was sent via a RSP session over the internet in order to collect CDR records from the primary call server. This configuration re-enforces the flexibility available in both the Avaya and vendor’s equipment in that it demonstrates the ability to use centralized management in distributed enterprises. In addition, intra-switch calls were placed between devices connected to the gateway at Site B in order to emulate the conditions where call details are required from remote sites in times when network connectivity between sites is out of service yet business continues.

The environment utilized a variety of 6400D Series Digital Telephones, as well as 9600 Series IP Telephone sets.



**Figure 1: CDR data was collected from Site A real time, and Site B via SFTP**

### 3. Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

Hardware Component	Version	Description
Avaya S8300 Server/ G450 Media Gateway	6.0	Runs Avaya Aura™ Communication Manager (CM) call processing software.
Avaya S8300 Server/ G350 Media Gateway (SRP/LSP)	6.0	Runs Avaya Aura™ Communication Manager (CM) call processing software. This server is the Survivable Remote Processor
Avaya 9600 Series IP Phones 9620 9630 9650C 9670	3.1 3.1 3.1 3.1	H.323 IP Sets
Avaya 6408D and 8400 Series Digital Phones	-	Desktop digital phones with programmable call appearance/feature keys, fixed feature buttons, display, and full duplex speakerphone.
Analog Phone	-	
MTS Application Suite on Windows 2008 Server	Application Version 9.8.2 Windows Server 2008	Operating System for the Certification environment. Compatible with Server 2003, Windows 7 and Windows XP

## 4. Configure the Avaya Communication Manager

This section describes the procedure for configuring call detail recording (CDR) in Avaya Aura™ Communication Manager. These steps were performed through a System Access Terminal (SAT). The steps were as follows:

- Administer Node Name for the MTS Application Suite Server
- Configure IP Services
- Configure System-wide CDR settings
- Define Intra-Switch CDR Members
- Configure Trunks to be Reported
- Configure Survivable Report User Account
- Configure Survivable Processor CDR Parameters
- Configure Authorization Codes

### 4.1. Administer Node Name for the MTS Application Suite Server

Avaya Aura™ Communication Manager was configured to generate CDR records using RSP over TCP/IP to the public IP address of the server running the Application Suite. For the Avaya S8300 Server, the RSP link originates at the IP address of the processor Ethernet port (**procr**).

Use the **change node-names ip** command to create a new node name, for example, **MTS**. This node name is associated with the IP Address of the Server running the Application Suite.

change node-names ip		Page 1 of 2	
		IP NODE NAMES	
Name	IP Address		
<b>MTS</b>	<b>10.64.10.101</b>		
RDTT	10.64.10.51		
LSPTR1	10.64.10.25		
procr	10.64.10.67		

## 4.2. Configure IP Services

Use the **change ip-services** command to define the CDR link to use the RSP over TCP/IP. To define a primary CDR link, the following information should be provided:

- Service Type: **CDR1**
- Local Node: **procr** [For Avaya G650 Gateways, use the node name of the CLAN board.]
- Local Port: **0** [The Local Port is fixed to 0 because Avaya Communication Manager initiates the CDR link.]
- Remote Node: **MTS** [The Remote Node is set to the node name previously defined.]
- Remote Port: **9000** [The Remote Port may be set to a value between 5000 and 64500 inclusive, and must match the port configured in the Application Suite.]

Note that in this test, a secondary CDR was defined. This was the local host running the Avaya RDTT software which was used to compare the data collected by the remote host.

change ip-services						Page	1 of	4
IP SERVICES								
Service Type	Enabled	Local Node	Local Port	Remote Node	Remote Port			
CDR1		procr	0	MTS	9000			
CDR2		procr	0	RDTT	9001			

On **Page 3** of the ip-services form, enable the Reliable Session Protocol (RSP) for the CDR link by setting the **Reliable Protocol** field to **y**.

change ip-services					Page	3 of	4
Service Type	Reliable Protocol	SESSION LAYER TIMERS					
		Packet Resp Timer	Session Connect Message Cntr	SPDU Cntr	Connectivity Timer		
CDR1	y	30	3	3	60		
CDR2	y	30	3	3	60		

### 4.3. Configure System-wide CDR settings

Enter the **change system-parameters cdr** command from the SAT to set the parameters for the type of calls to track and the format of the CDR data. The example below shows the settings used during the compliance test.

- CDR Date Format: **month/day**
- Primary Output Format: **customized**
- Primary Output Endpoint: **CDR1**

The remaining parameters define the type of calls that will be recorded and what data will be included in the record. See reference [2] for a full explanation of each field. The test configuration used some of the more common fields described below.

- Enable CDR Storage on Disk?: **y** [Enable the Survivable CDR feature. Default is **n**.]
- Use Legacy CDR Formats?: **n** [Allows CDR formats to use 4.x CDR formats. If the field is set to **y**, then CDR formats utilize the 3.x CDR formats.]
- Intra-switch CDR: **y** [Allows call records for internal calls involving specific stations. Those stations must be specified in the **intra-switch cdr** form.]
- Record Outgoing Calls Only?: **n** [Allows incoming trunk calls to appear in the CDR records along with the outgoing trunk calls.]
- Outg Trk Call Splitting?: **y** [Allows a separate call record for any portion of an outgoing call that is transferred or conferenced.]
- Inc Trk Call Splitting?: **y** [Allows a separate call record for any portion of an incoming call that is transferred or conferenced.]

```
change system-parameters cdr                               Page 1 of 2
                                CDR SYSTEM PARAMETERS

Node Number (Local PBX ID):                                CDR Date Format: month/day
  Primary Output Format: customized      Primary Output Endpoint: CDR1
  Secondary Output Format: customized    Secondary Output Endpoint: CDR2
    Use ISDN Layouts? n                  Enable CDR Storage on Disk? y
    Use Enhanced Formats? n             Condition Code 'T' For Redirected Calls? n
  Use Legacy CDR Formats? n             Remove # From Called Number? n
Modified Circuit ID Display? n           Intra-switch CDR? y
    Record Outgoing Calls Only? n        Outg Trk Call Splitting? y
  Suppress CDR for Ineffective Call Attempts? y    Outg Attd Call Record? y
    Disconnect Information in Place of FRL? n      Interworking Feat-flag? n
  Force Entry of Acct Code for Calls Marked on Toll Analysis Form? n
                                Calls to Hunt Group - Record: member-ext
Record Called Vector Directory Number Instead of Group or Member? n
Record Agent ID on Incoming? y           Record Agent ID on Outgoing? y
  Inc Trk Call Splitting? y
    Record Non-Call-Assoc TSC? n          Call Record Handling Option: warning
    Record Call-Assoc TSC? n             Digits to Record for Outgoing Calls: dialed
    Privacy - Digits to Hide: 0           CDR Account Code Length: 5
```

Note: The standard format MTS uses was configured as a customized output as described below. There are additional data elements available on the Communication Manager platform, and in

installations where customers desire these additional items, they would tend to be appended to the end of this form following the date field. To see all available field options, please refer to *Administering Avaya Aura™ Communication Manager* (Reference 2).

change system-parameters cdr			Page 2 of 2		
CDR SYSTEM PARAMETERS					
Data Item - Length		Data Item - Length		Data Item - Length	
1: time	- 4	17: auth-code	- 7	33:	-
2: space	- 1	18: space	- 1	34:	-
3: duration	- 4	19: frl	- 1	35:	-
4: space	- 1	20: space	- 1	36:	-
5: cond-code	- 1	21: ixc-code	- 1	37:	-
6: space	- 1	22: space	- 1	38:	-
7: code-dial	- 3	23: in-crt-id	- 3	39:	-
8: space	- 1	24: space	- 1	40:	-
9: code-used	- 3	25: out-crt-id	- 3	41:	-
10: space	- 1	26: space	- 1	42:	-
11: dialed-num	- 15	27: feat-flag	- 1	43:	-
12: space	- 1	28: space	- 1	44:	-
13: clg-num/in-tac	- 15	29: date	- 6	45:	-
14: space	- 1	30: return	- 1	46:	-
15: in-trk-code	- 4	31: line-feed	- 1	47:	-
16: space	- 1	32:	-	48:	-

Record length = 87

#### 4.4. Define Intra-Switch CDR members

If the **Intra-switch CDR** field is set to **y** on Page 1 of the system-parameters cdr form, then use the **change intra-switch-cdr** command to define the extensions that will be subject to call detail records. In the **Assigned Members** fields, enter the specific extensions whose usage will be tracked. To simplify the process of adding multiple extensions in the **Assigned Members** fields, the “Intra-switch CDR by COS” feature may be utilized in the SPECIAL APPLICATIONS form under the system-parameters section. To utilize this feature, contact an authorized Avaya account representative to obtain the license.

change intra-switch-cdr			Page 1 of 3		
INTRA-SWITCH CDR					
Extension	Extension	Assigned Members:	5	of 1000	administered
		Extension		Extension	
6001					
6002					
6003					
6005					
6006					



## 4.5. Configure Trunks to be Reported

For each trunk group for which CDR records are desired, verify that CDR reporting is enabled. Use the **change trunk-group *n*** command, where *n* is the trunk group number, to verify that the **CDR Reports** field is set to **y**. This applies to all types of trunk groups.

change trunk-group 1		Page 1 of 21	
TRUNK GROUP			
Group Number: 1	Group Type: isdn	CDR Reports: y	
Group Name: 10.64.10.10	COR: 2	TN: 1	TAC: *001
Direction: two-way	Outgoing Display? n	Carrier Medium: H.323	
Dial Access? n	Busy Threshold: 255	Night Service:	
Queue Length: 0			
Service Type: tie	Auth Code? n		
		Member Assignment Method: auto	
		Signaling Group: 1	
		Number of Members: 50	

Repeat the above step for all trunks to be reported on. In this test, trunks 1 and 2 were used.

## 4.6. Configure Survivable Report User Account

Since Communication Manager Release 4.0, Avaya has supported CDR reporting from survivable servers. The idea is, if a survivable server handles calls during a period when the main processor is unavailable, the details are recorded and stored on a disk file on the LSP and the application may use this as an additional source of input. Most applications will check for files on the LSP daily and add the data to the reports if they exist, this is in fact how the Application Suite handles this data source.

Setup included adding a user account in System Manager:

Help Log Off Administration Upgrade

Administration / Server (Maintenance) This Server: CM\_VSP

**Administrator Accounts**

The Administrator Accounts web pages allow you to add, delete, or change administrator logins and Linux groups.

Select Action:

- ☒ Add Login
  - ☐ Privileged Administrator
  - ☐ Unprivileged Administrator
  - ☐ SAT Access Only
  - ☐ Web Access Only
  - ☐ Modem Access Only
  - ☒ CDR Access Only
  - ☐ CM Messaging Access Only
  - ☐ Business Partner Login (dadmin)
  - ☐ Business Partner Craft Login
  - ☐ Custom Login
- ☐ Change Login
- ☐ Remove Login
- ☐ Lock/Unlock Login
- ☐ Add Group
- ☐ Remove Group

The CDR\_User group is a predefined group that the new user is assigned to by checking the **CDR Access Only** option as shown above. The pre-defined CDR\_User group has security limitations that prevent this account from performing other tasks on the communication system.

After clicking **Submit**, a password was created on the following screen.

#### Administrator Accounts -- Change Login

This page allows you to edit an administrator login.

[Click to Change](#)

Login name

☐ Primary group

☐ Additional groups (profile)

☐ Linux shell (/sbin/nologin for no shell)

Home directory

☐ Lock this account ☐

☐ Date after which account is disabled-blank to ignore (YYYY-MM-DD)

☐ Select type of authentication
 

- ☒ Password
- ☐ ASG: enter key
- ☐ ASG: Auto-generate key

Enter password or key

Re-enter password or key

Force password/key change on next login
 

- ☐ Yes
- ☒ No

The user will **not** be forced to change the password on next login. To enable this behavior, enter a new password and select the Yes option.

## 4.7. Configure Survivable Processor CDR Parameters

There are two ways to deploy survivable CDR. A Survivable Main server can be setup to write all CDR data to a disk file; this was not used in this case. Alternately, a Survivable Remote Processor can be used and specified on the **change survivable-processor** form to store CDR data to disk. All other settings were default.

change survivable-processor LSPTR1							Page	2 of	3
SURVIVABLE PROCESSOR - IP-SERVICES									
Service	Enabled	Store	Local	Local	Remote	Remote			
Type		to dsk	Node	Port	Node	Port			
AESVCS	<input type="radio"/>	n	procr	8765					
CDR1	<input checked="" type="radio"/>	y							
CDR2	<input checked="" type="radio"/>	y							

## 4.8. Configure Authorization Codes

Authorization Codes are often used when classes of users phones are administered with limited calling privileges but exceptions are required such as to call specific customers. Furthermore, supervisors or console operators can use authorization codes in order to enable dialing by restricted users on a pre-approved basis.

Typically, a user who is not authorized to make outbound trunk calls would have a COR assigned to the phone with an FRL that is lower than the trunks. For example, if a trunk is administered in a COR with an FRL value of 3, or the route pattern is assigned an FRL of 3, the FRL on the users station COR would need to be 3 or higher. However, if it is 2 or lower, the user would be unable to access the trunks. Entering an authorization code could enable a user to override this restriction.

The steps to setup authorization codes includes assigning a COR with an FRL that can access the trunk facilities. Authorization code 1234567 was used in this test, it was administered as follows:

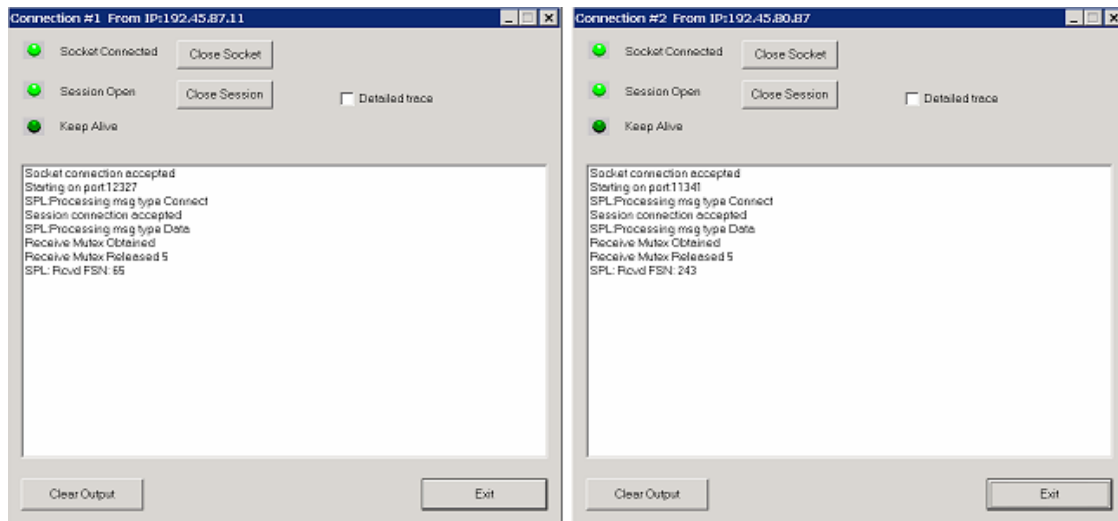
change authorization-code 1234567								Page	1 of	1
Authorization Code - COR Mapping										
NOTE: 1 codes administered. Use 'list' to display all codes										
AC	COR	AC	COR	AC	COR	AC	COR			
1234567	3									

Additionally, the following settings were configured on the **System-Parameters Features** form, default settings were used except for those noted:

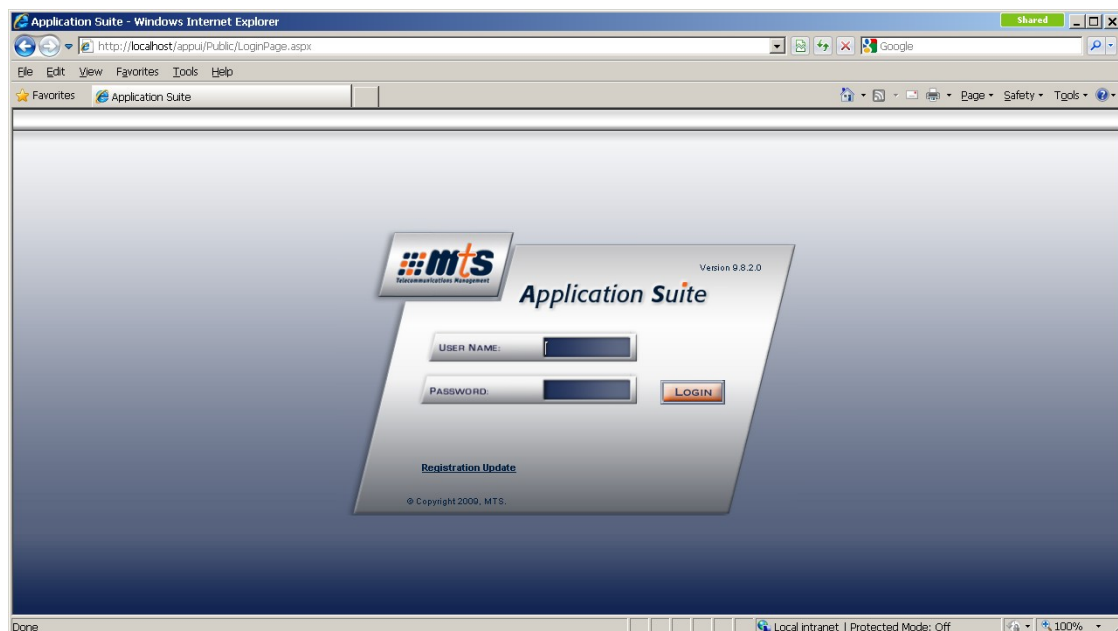
change system-parameters features	Page 4 of 19
FEATURE-RELATED SYSTEM PARAMETERS	
Reserved Slots for Attendant Priority Queue: 5	
Time before Off-hook Alert: 10	
Emergency Access Redirection Extension:	
Number of Emergency Calls Allowed in Attendant Queue: 5	
Deluxe Paging and Call Park Timeout to Originator? n	
Controlled Outward Restriction Intercept Treatment: tone	
Controlled Termination Restriction (Do Not Disturb): tone	
Controlled Station to Station Restriction: tone	
AUTHORIZATION CODE PARAMETERS	<b>Authorization Codes Enabled? y</b>
	<b>Authorization Code Length: 7</b>
	Authorization Code Cancellation Symbol: #
	Attendant Time Out Flag? n
	Display Authorization Code? y
	Controlled Toll Restriction Replaces: outward
	Controlled Toll Restriction Intercept Treatment: tone

## 5. Configure Application Suite

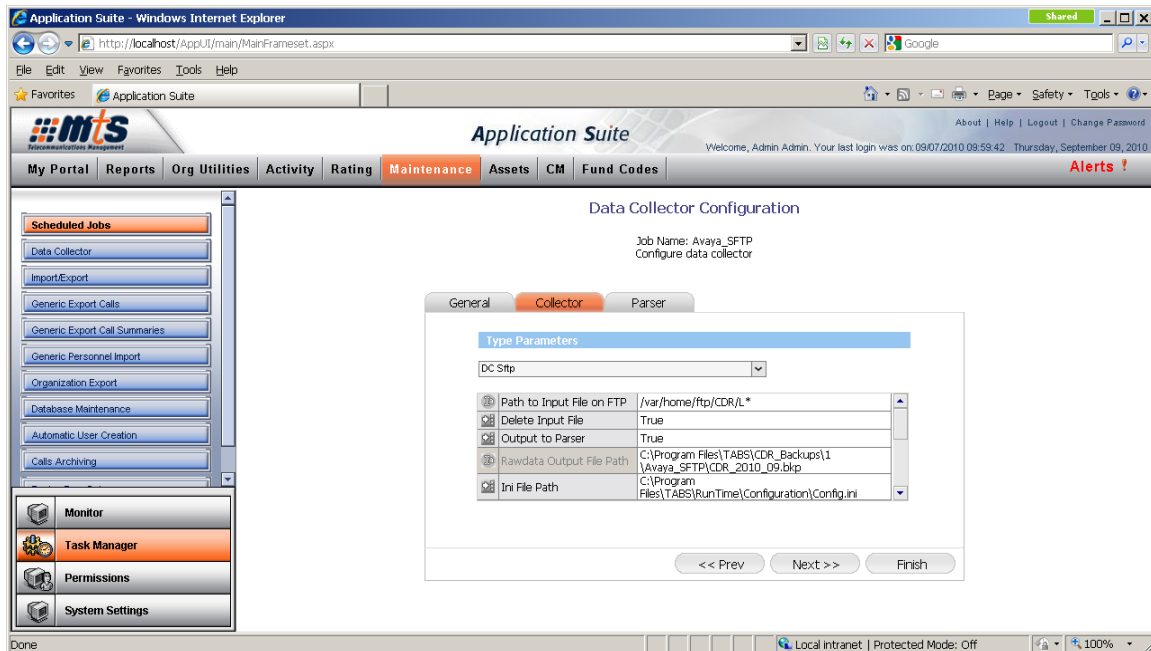
This section describes the configuration of Application Suite. The Application Suite Server will listen for connections from each site using a modified version of the Avaya RDTT application. The following window will appear for each communication system that has established a connection to the server. This window will remain open and run in the background.



The Application Suite configuration and user interfaces are accessed via web browser at <http://<ipaddress>> where <ip address> is the name or address of the Application Suite server.



Users will see a number of tabs or modules according to which optional capabilities were purchased; the following illustrates.



The maintenance module enables an authorized user to configure the Data Collectors or sources of data, including the RSP and FTP interfaces described in the Communication Manager configuration steps above.

Additionally, the Application Suite is designed to be able to import and export data from a variety of sources, thus enabling large organizations to use LDAP or other data sources to feed organizational structure data to extend the usefulness of the solution.

Users access their scheduled reports, ad hoc reports, and can modify organizational data in the same browser window; actual information a user will have access to will be based on login, role and the organizational structures setup in the system. Following is a typical view a user might see:

The screenshot shows the 'Application Suite' web application in a Windows Internet Explorer browser. The interface includes a navigation menu with tabs like 'My Portal', 'Reports', 'Org Utilities', 'Activity', 'Rating', 'Maintenance', 'Assets', 'CM', and 'Fund Codes'. The 'My Reports' section is active, displaying a table of reports.

Report Name	Description	Based on Report	Module
Daily Device Details		Calls: Detailed	Detail and Summary
Daily TG Details		Device Calls: Detailed	Utilization
Orig Extensions With Pin Codes		Device Calls: Detailed	Utilization

Below the table, there is a status bar indicating 'Ready.' and '3 Record(s)'. A 'Calls' section is also visible, showing a table of call records with columns: Start, Device, PIN Code, Dialed Number, Duration, Call Type, Category, Location, and Trunk.

Start	Device	PIN Code	Dialed Number	Duration	Call Type	Category	Location	Trunk
09/01/2010 09:28:00	6001	1234567	13035381753	00:01:00	Out	Long Distance	DENVER_CO	Avaya.002.008
09/01/2010 08:16:24	6005		6006	00:00:36	Int	Internal		

The Application Suite affords a variety of useful reports for managing the Enterprise. The following gives a sense of the broad range of reports available.

The screenshot shows the 'Application Suite' web application in a Windows Internet Explorer browser. The 'Reports' section is active, displaying a list of available reports in a tree view.

- Find
- Detail and Summary
  - Business and Personal Combined
  - Calls Detailed
  - Calls Summaries
  - Organization Units Calls Summaries
  - Personnel Calls
  - Summary and Details by Category
- Utilization
  - Daily Utilization
  - Device Calls Detailed
  - Device Calls Summaries
  - Monthly Calls Summaries
  - Weekly Utilization
- Top Usage
- Serviceability
- Administration
- Traffic
  - Trunk / Trunk Group Summary
  - Trunk Capacity Planning
- ACD
- Account Codes
- User Defined Reports (3)

The Help/About screen provides version information, and also contains license configuration data.

Webpage Dialog Shared

**mts** Application Suite

Version : 9.8.2  
Build : 0  
SQL: Standard Edition

**License**

Expiration Date: None

Maximum Admin Users: 20

Maximum Non Admin Users: 64000

Maximum Data Sources: 255

Maximum Scheduled Collectors: 255

Maximum Pin Code Devices: 64000

Maximum Extension Devices: 64000

Maximum Cellular Devices: 64000

SQL Server allowed: Yes

Budget Control: Yes

Maximum Entities for Budget Control: 1000

Module	Licensed	Status
Help Desk	Yes	Not Installed
Private Calls Management	No	Not Installed
BillBack	Yes	Not Installed
Invoice Management	No	Not Installed
Cable Management	Yes	Installed
911 Alerts	Yes	Not Installed

**Registration Update**  
For more information please contact us:  
Phone: 1(800)745-8725 | E-mail: [tech.support@mtsintl.com](mailto:tech.support@mtsintl.com) | [www.mtsintl.com](http://www.mtsintl.com)



## 6. General Test Approach and Test Results

The interoperability compliance testing included feature, serviceability, and an LSP test. The feature testing evaluated the ability of the Application Suite to collect and process CDR records for various types of calls. The serviceability testing introduced failure scenarios to see if the Application Suite could resume CDR collection after failure recovery. The Avaya LSP solution was tested by removing the **procr** Ethernet cable in the Avaya G450 Media Gateway.

The general test approach was to manually place intra-switch calls, inbound trunk and outbound trunk calls to and from telephones attached to the Avaya Servers, and to verify that the Application Suite collected the CDR records and properly classified and reported the attributes of the calls. For serviceability testing, physical and logical links were disabled/re-enabled, and media servers were reset.

All executed test cases passed. The Application Suite successfully collected the CDR records from Avaya Aura™ Communication Manager via a RSP connection for all types of calls generated including intra-switch calls, inbound/outbound PSTN trunk calls, inbound/outbound private IP trunk calls, transferred calls, and conference calls. For serviceability testing, the Application Suite was able to resume collecting CDR records after failure recovery including buffered CDR records for calls that were placed during the outages.

The Application Suite also successfully collected the CDR records from the Avaya S8300 Server using the SFTP command.

## 7. Verification Steps

The following steps were used to verify the configuration:

- On the SAT of Communication Manager, enter the **status cdr-link** command and verify that the CDR link state is up.
- Place a call and verify that the Application Suite received the CDR record for the call. Compare the values of data fields in the CDR record with the expected values and verify that the values match. A local instance of CDR link 2 terminating on a PC running Avaya RDTT collected identical records locally and was used to compare results to Application Suite reports.
- Place internal, inbound trunk, and outbound trunk calls to and from various telephones, generate an appropriate report in the Application Suite, and verify the report's accuracy.

## 8. Conclusion

These Application Notes describe the procedures for configuring Application Suite to collect call detail records from Avaya Aura™ Communication Manager running on Avaya Servers. The Application Suite successfully passed all compliance testing.

## 9. Additional References

The following Avaya product documentation can be found at <http://support.avaya.com>.

[1] *Avaya Aura<sup>TM</sup> Communication Manager Feature Description and Implementation*, Release 6.0, Issue 8.0, June 2010, Document Number 555-245-205

[2] *Administering Avaya Aura<sup>TM</sup> Communication Manager*, Release 6.0, Issue 6.0, June 2010, Document Number 03-300509

A User Guide as well as additional documentation is available from MTS at [www.mtsint.com](http://www.mtsint.com).

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