



Avaya Solution & Interoperability Test Lab

Application Notes for Configuring RingMaster/Optimiser from Soft-ex with Avaya Aura® Session Manager R6.3 to collect CDR - Issue 1.0

Abstract

These Application Notes describe the configuration steps necessary for provisioning Soft-ex's product RingMaster/Optimiser to successfully interoperate with Avaya Aura® Session Manager.

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

RingMaster/Optimiser from Soft-ex is a telephone call accounting system that processes Call Detail Recording (CDR) information from the Avaya Aura® Session Manager R6.3 and produces management reports. Ringmaster was the original product supplied by Soft-ex to process CDR records and Optimiser is an additional product/service built onto Ringmaster which is an alerting system for calls that meet specific requirements, for instance that may indicate telephone fraud. RingMaster/Optimiser connects to Avaya Aura® Session Manager over the local or wide area network using Secure File Transfer Protocol (SFTP). Avaya Aura® Session Manager is configured to generate Call Detail Records (CDR) into files and save them to a specific folder on the Avaya Aura® Session Manager server. RingMaster/Optimiser using SFTP connects to the server, to access these folders and download them to the local RingMaster/Optimiser server for reports. The serviceability and load tests were conducted to assess the reliability of the solution.

2. General Test Approach and Test Results

The general test approach was to manually place inter-switch calls, inbound and outbound SIP trunk calls. Soft-ex RingMaster/Optimiser then connects to Session Manager using an SFTP connection to pull CDR files from Session Manager.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

Note: In some Soft-ex literature the RingMaster/Optimiser product is referred to as Call Management Software or just Optimiser. To avoid confusion the product name in this document will be referred to as RingMaster/Optimiser.

2.1. Interoperability Compliance Testing

The principle objective of Interoperability Compliance testing is to provide assurance to the potential customers that the tested products operate as specified and can interoperate in an environment similar to the one that will be encountered at a customer's premises. Performance and load testing is outside the scope of the compliance testing. All CDR records were collected using an SFTP account on the Session Manager; this setup is clearly outlined in **Section 6**. Calls were made between a CS1000E and a Communication Manager in order to generate SIP trunk traffic.

The interoperability compliance testing included the following cases.

- Inbound calls to CS1000E from Communication Manager over SIP Trunk.
- Inbound calls to Communication Manager from CS1000E over SIP Trunk.
- Held/retrieved calls to CS1000E from Communication Manager over SIP Trunk.
- Held/retrieved calls to Communication Manager from CS1000E over SIP Trunk.
- Transferred calls to CS1000E from Communication Manager over SIP Trunk.
- Transferred calls to Communication Manager from CS1000E over SIP Trunk.

2.2. Test Results

All tests outlined in the Test Plan document passed successfully. No errors or performance issues were observed on Session Manager.

Note: There are no specific records for transferred, forwarded or conference calls produced by Session Manager.

2.3. Support

For more information on Soft-ex and product support visit <http://www.soft-ex.net>

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3. Reference Configuration

Figure 1 shows the network topology during compliance testing. The RingMaster/Optimiser utilises an FTP/SFTP username/password in order to connect to Session Manager and obtain the CDR records stored on Session Manager. A web browser can be used to view the RingMaster/Optimiser CDR reports.

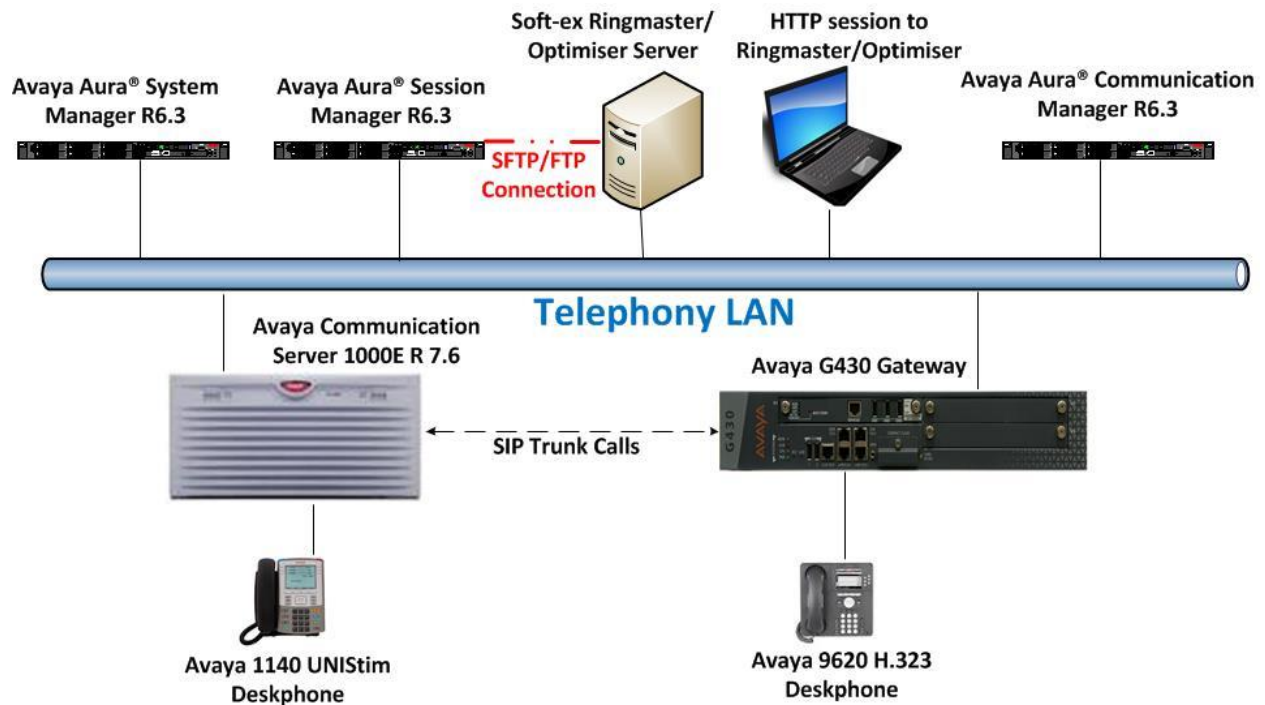


Figure 1: Connection of Soft-ex RingMaster/Optimiser with Avaya Aura® Session Manager R6.3 using Avaya Aura® Communication Manager R6.3 and Avaya Communication Server 1000E R7.6 to make calls across a SIP trunk.

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Communication Server 1000E on CPPM	R7.6 SP2 (See Appendix for a list of Patches)
Avaya Aura [®] Communication Manager running on an Avaya S8800 Server	R6.3 SP1 R016x.03.0.124.0
Avaya Aura [®] System Manager	System Manager 6.3.0 - FP2 Build No. - 6.3.0.8.5682-6.3.8.1814 Software Update Revision No: 6.3.3.5.1719
Avaya Aura [®] Session Manager running on an Avaya S8800 Server	R6.3 SP3 6.3.3.0.633004
Avaya 1140 UNISlim Deskphone	UNISlim V0625C8D
Avaya 9620 H.323 Deskphone	96xx H.323 Release 3.1 SP2
PC Windows 7 running Soft-ex RingMaster/Optimiser	V5.5

5. Configuration of Avaya Communication Server 1000E

It is assumed that a SIP trunk is already in place and is therefore outside the scope of these Application Notes. Please note that a SIP trunk between an Avaya Communication Server 1000E R7.6 and an Avaya Aura® Communication Manager R6.3 was used during compliance testing in order to generate SIP trunk traffic.

Note: The configuration of PSTN trunks and routes are outside the scope of these Application Notes.

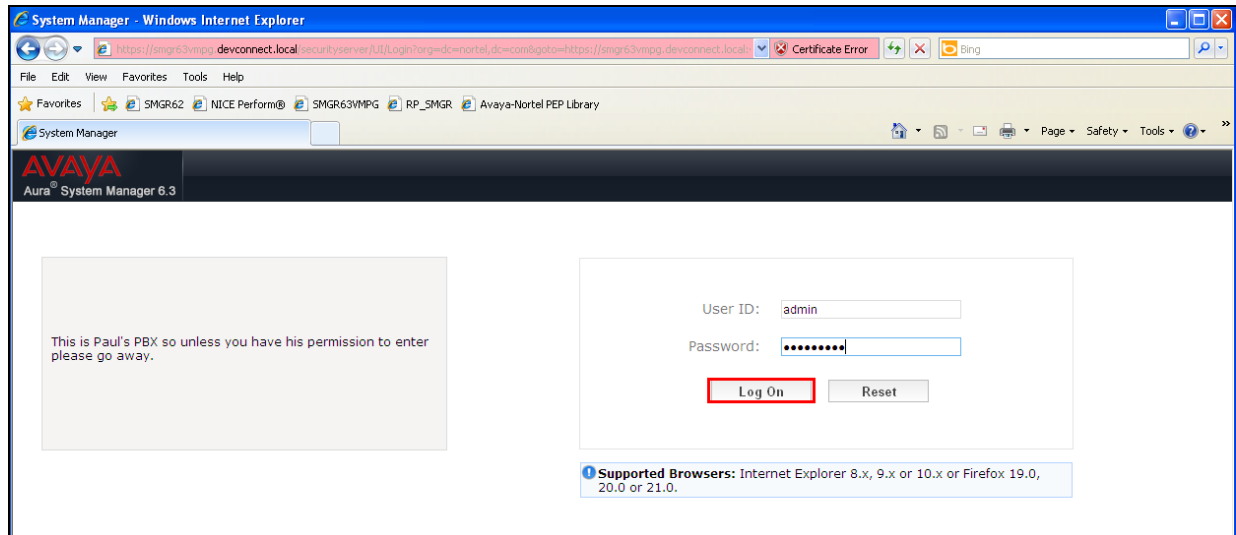
Note: A full printout of the SIP D-Channel, Route and Trunk information used for the compliance testing is included in the **Appendix B** of these Application Notes.

5.1. Configure Avaya Communication Server 1000E SIP Gateway

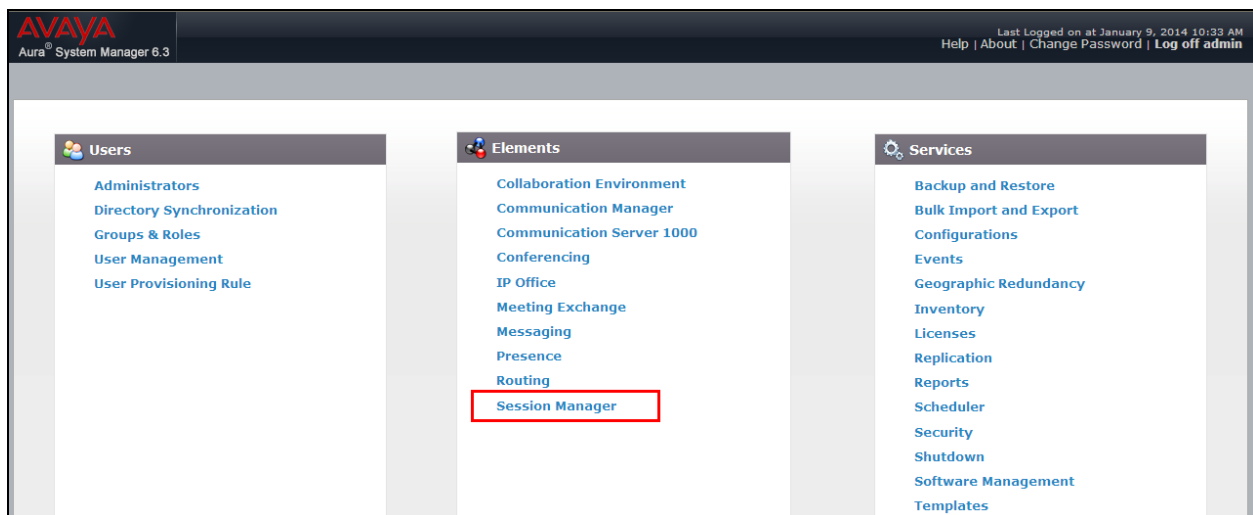
In order to display CDR from the CS1000E properly the SIP URI needs to be amended on the CS1000E SIP gateway in order to remove the phone-context information. As this is only a requirement if the CS1000E is being used, it is included in the **Appendix C** of these Application Notes.

6. Configure Avaya Aura® Session Manager to collect CDR data

Access to System Manager is achieved by opening a Web Browser and entering **http://<FQDN>/SMGR**, where <FQDN> is the fully qualified domain name of System Manager or **http://<IP Address>/SMGR**. Log in using appropriate credentials.



From the homepage of System Manager, navigate to **Elements** → **Session Manager**.



The **Session Manager** tab is displayed. In the left navigation pane, select **Session Manager Administration**. When the **Session Manager Administration** page is displayed select the Session Manager instance, e.g. **DevSM** in the **Session Manager Instance** section, and click on **Edit** button to edit.

Session Manager Administration

This page allows you to administer Session Manager instances and configure their global settings.

Global Settings

Save

☐ Allow Unauthenticated Emergency Calls

☒ Allow Unsecured PPM Traffic

Auto Failback Policy

None ELIN SIP Entity

☒ Prefer Longer Matching Dial Patterns in Location ALL to Shorter Matches in Originator's Location

☐ Ignore SDP for Call Admission Control

☐ Disable Call Admission Control Threshold Alarms

Session Manager Instances

New View Edit Delete

1 Item Refresh Filter: Enable

Name	Primary Communication Profiles	Secondary Communication Profiles	Maximum Active Communication Profiles	Description
DevSM	16	0	16	Session Manager Instance

The **Edit Session Manager** page is displayed. Scroll down to the CDR section, check on the check box **Enable CDR** to enable the CDR feature and enter a password in the **Password** and **Confirm Password** box for the **CDR_User**. Click the **Commit** button at the end of the page to commit the changes (not shown).

CDR

Enable CDR ☒

User CDR_User

Password

Confirm Password

From the homepage of System Manager, navigate to **Elements** → **Routing** → **SIP Entities**. The **SIP Entities** page is displayed (not shown). Select the desired SIP entity which the Call Detail Recording feature needs to be enabled for; in this case the CS1000E SIP Entity is **CS1KPG1**. Click the **Edit** button, the **SIP Entity Details** page is displayed, in the **Call Detail Recording** dropdown menu select “**both**” as in the screen shown below. Click the **Commit** button to commit the change.

Note: Repeat the same procedure for other SIP Entities if needed.

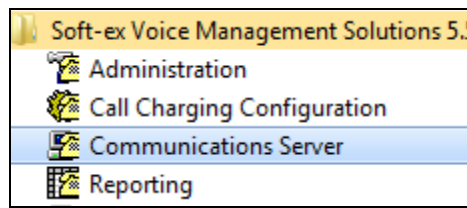
The screenshot displays the Avaya Aura System Manager 6.3 web interface. The top navigation bar includes the Avaya logo, the text 'Aura System Manager 6.3', and a user status indicator 'Last Logged on at April 21' with links for 'Help | About | Change Password'. The main navigation menu on the left lists various configuration areas: Home, Routing, Domains, Locations, Adaptations, SIP Entities (highlighted with a red box), Entity Links, Time Ranges, Routing Policies, Dial Patterns, Regular Expressions, and Defaults. The breadcrumb trail at the top of the content area reads 'Home / Elements / Routing / SIP Entities'. The main content area is titled 'SIP Entity Details' and features a 'Commit' button (highlighted with a red box) and a 'Cancel' button. The 'General' tab is active, showing fields for: Name (CS1KPG1), FQDN or IP Address (10.10.40.111), Type (SIP Trunk), Notes, Adaptation, Location (DevConnectPG63), Time Zone (Europe/Dublin), SIP Timer B/F (in seconds) (4), Credential name, and Call Detail Recording (set to 'both', highlighted with a red box). A 'Loop Detection' section at the bottom shows 'Loop Detection Mode' set to 'Off'.

7. Configuration of Soft-ex RingMaster/Optimiser

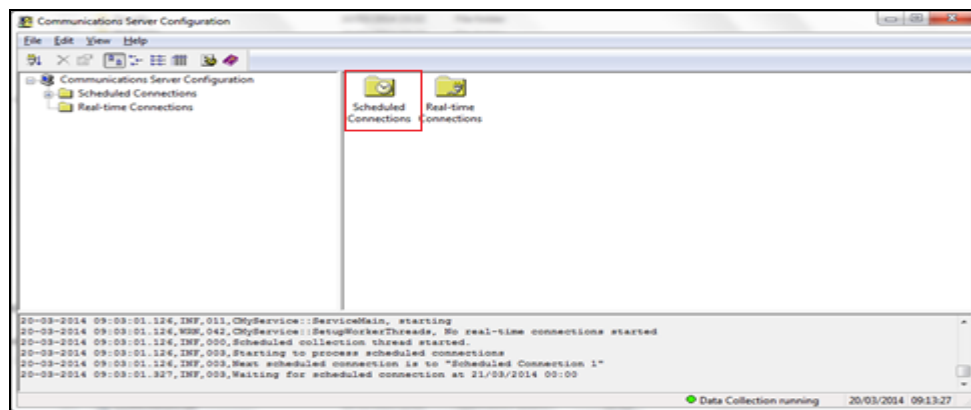
This section outlines the steps to configure the RingMaster/Optimiser from Soft-ex in order to correctly collect CDR data using an SFTP connection to Session Manager. Installation instructions are outside the scope of this document.

7.1. Create a new Site

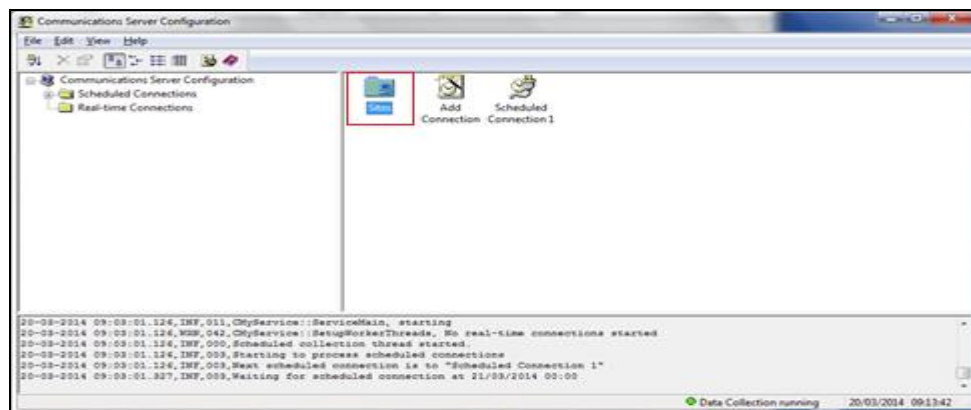
To create a new site open Communications Server Configuration on the RingMaster/Optimiser Server. Click on Start → All Programs → **Soft-ex Voice Management Solutions 5.5**.



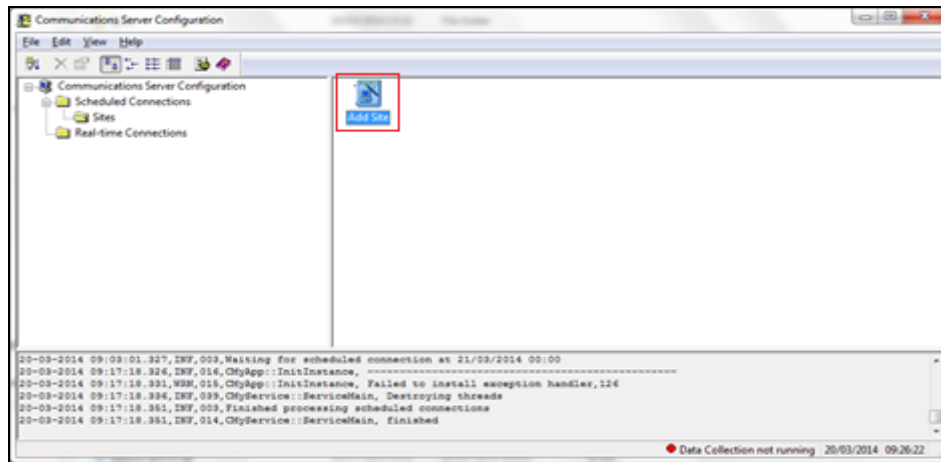
Click on **Communications Server** (shown above) and this will open the **Communications Server Configuration** (shown below). Click on **Scheduled Connections**.



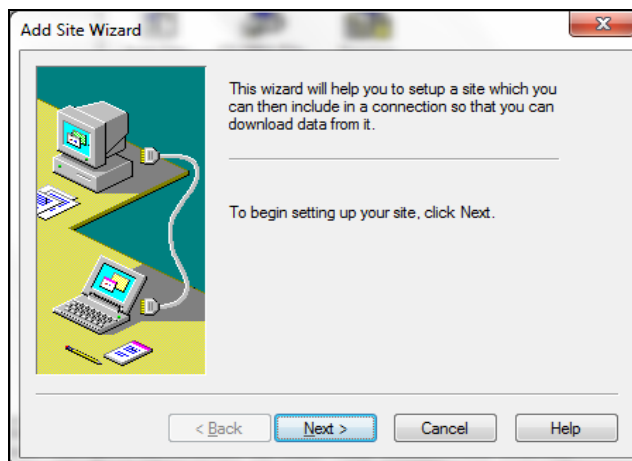
Click on **Sites**.



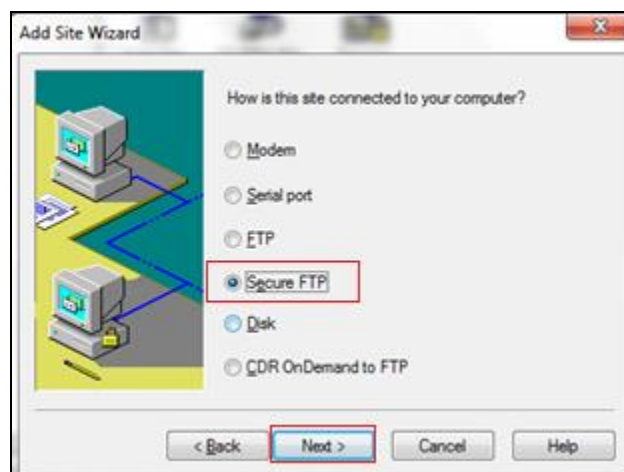
Click on **Add Site**.



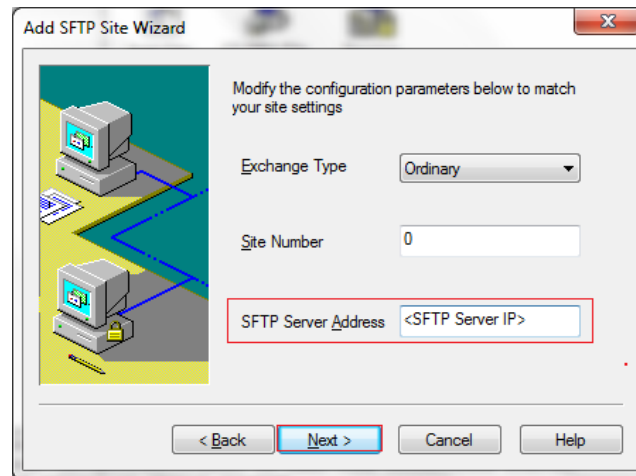
Click on **Next**.



Select **Secure FTP** and click on **Next**.



Enter the **SFTP Server Address**; note this will be the IP address of Session Manager. Click on **Next** to continue.

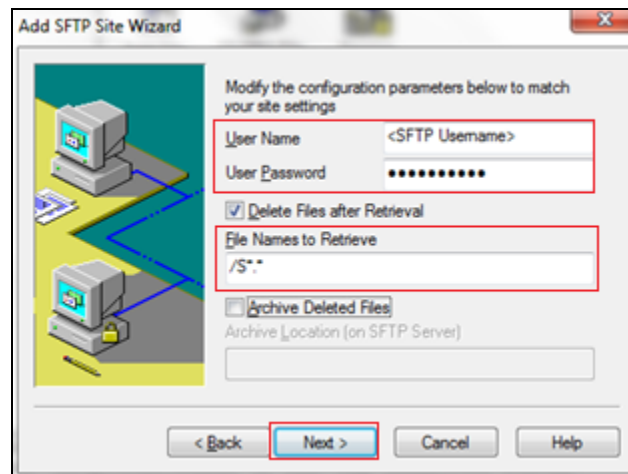


The 'Add SFTP Site Wizard' dialog box is shown. It features a left sidebar with a graphic of two computers connected by a network line. The main area contains the following fields:

- Exchange Type:** A dropdown menu set to 'Ordinary'.
- Site Number:** A text box containing the value '0'.
- SFTP Server Address:** A text box containing the placeholder '<SFTP Server IP>'. This field is highlighted with a red rectangle.

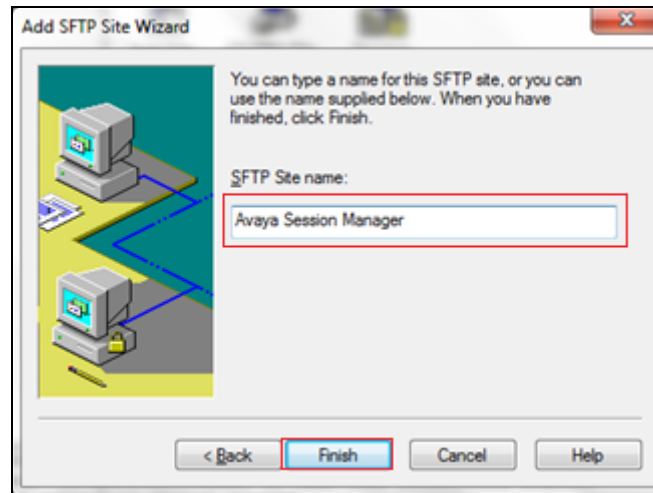
At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'. The 'Next >' button is highlighted with a red rectangle.

Enter the **SFTP User Name** and **User Password**. Note this is the username **CDR_User** and password created in **Section 6**. Tick to **Delete files after Retrieval**. **File Names to Retrieve** should be set to **/S*.***. Click on **Next** to continue.

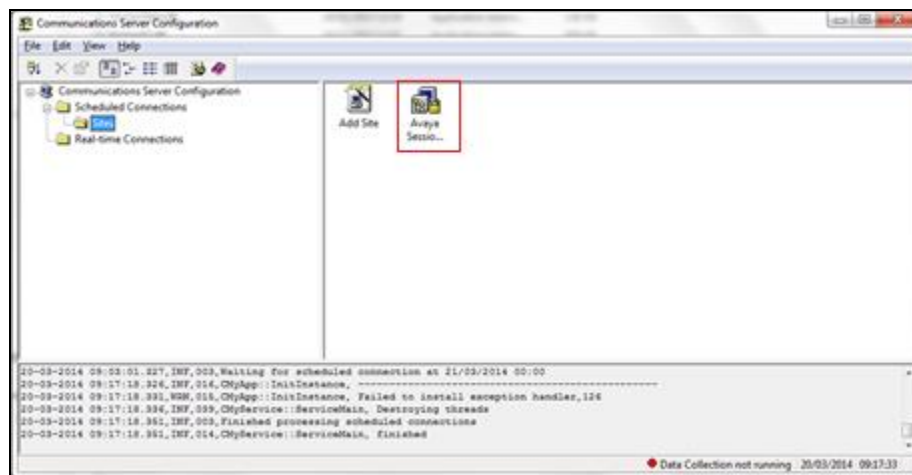


The 'Add SFTP Site Wizard' dialog box is shown at a later step. It includes the same sidebar and 'Exchange Type' dropdown. The 'Site Number' field is now empty. The 'SFTP Server Address' field is also empty. The 'User Name' field contains the placeholder '<SFTP Username>' and the 'User Password' field contains a series of dots. Both are highlighted with red rectangles. Below these, the 'Delete Files after Retrieval' checkbox is checked. The 'File Names to Retrieve' field contains the text '/S*.*' and is also highlighted with a red rectangle. The 'Archive Deleted Files' checkbox is unchecked, and the 'Archive Location (on SFTP Server)' field is empty. The 'Next >' button at the bottom is highlighted with a red rectangle.

Give the site a name and click on **Finish** to continue.

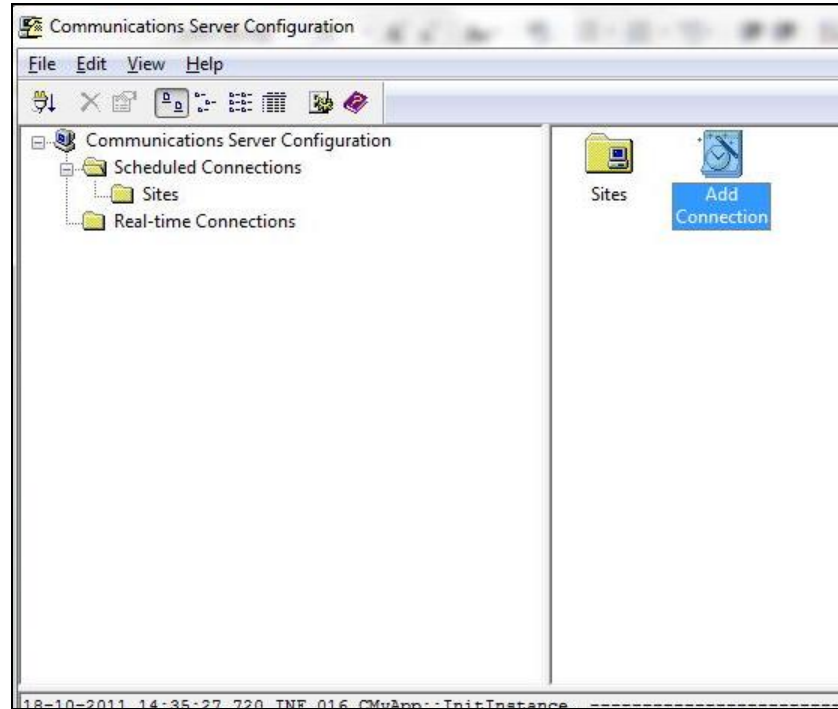


This new connection now appears in the **Communication Server Configuration** window.

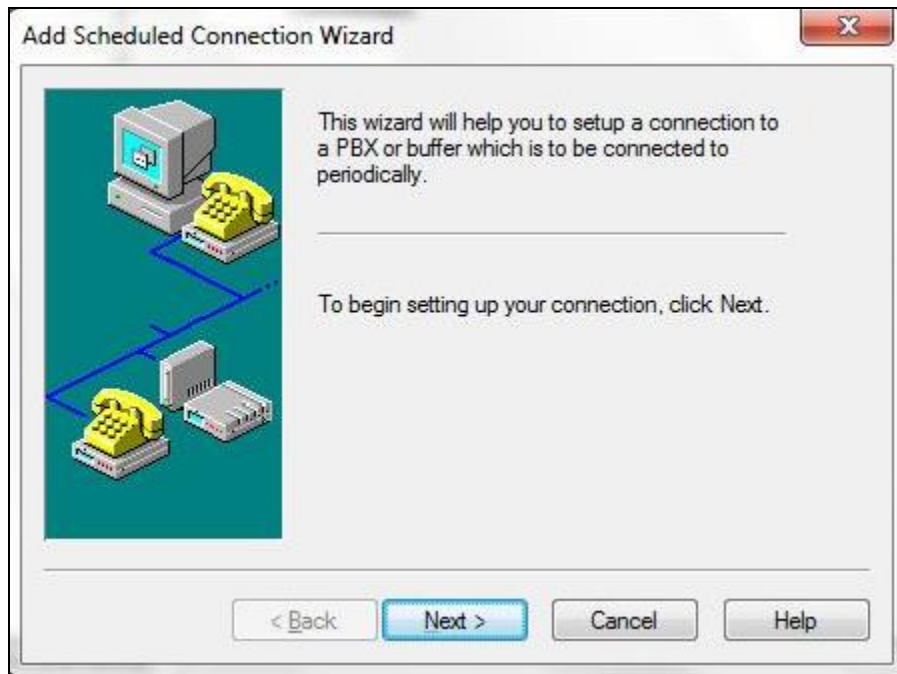


7.2. Create a scheduled connection to Session Manager

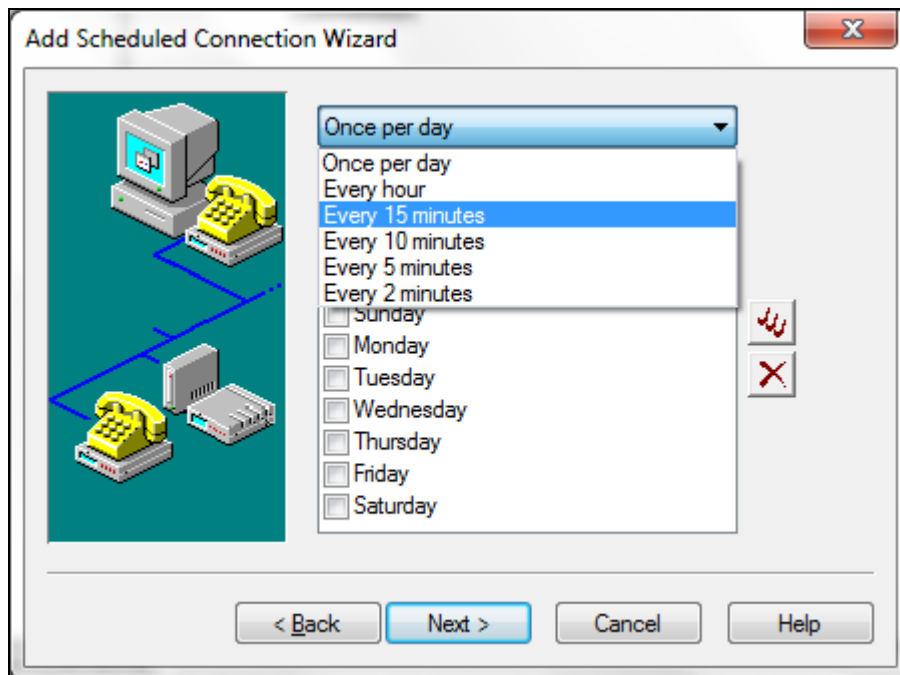
Once the site has been added click on **Scheduled Connections** and double click **Add Connection** as shown below in order to setup the scheduled connection to retrieve the data.



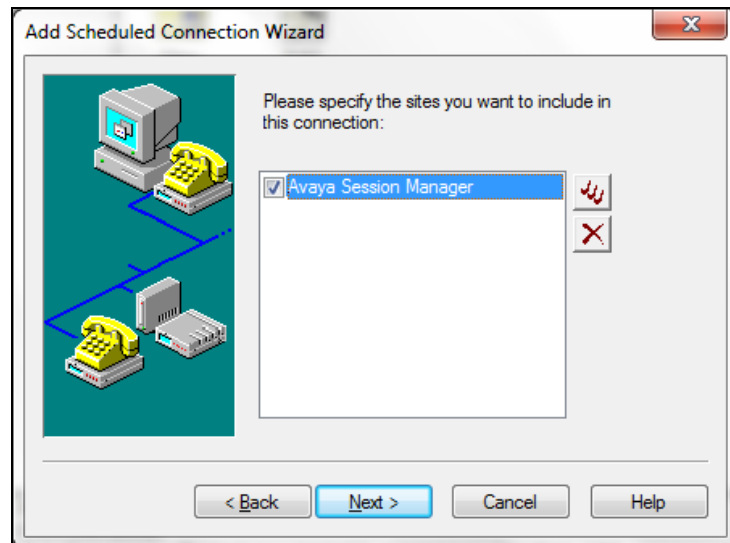
This opens up the **Add Schedule Connection Wizard**. Click on **Next** to continue.



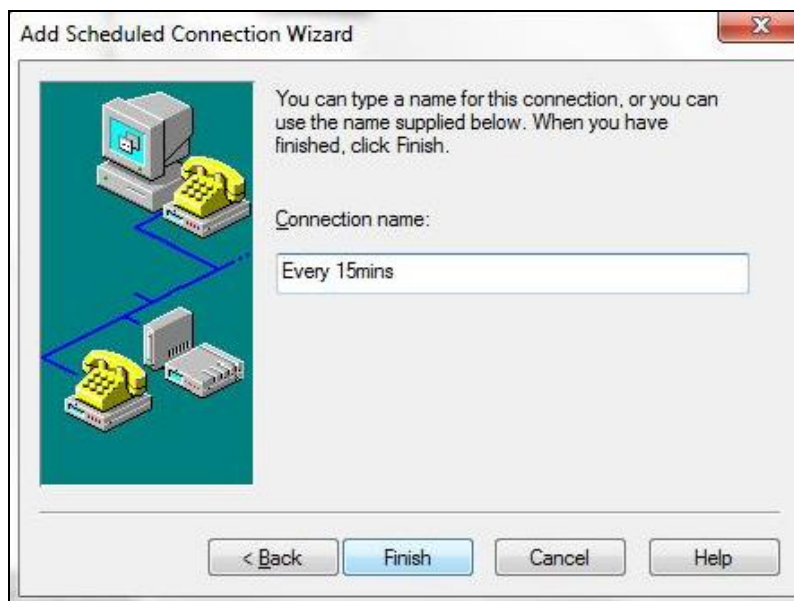
Select the frequency that the RingMaster/Optimiser will FTP to the IP Buffer in order to parse the CDR Data. Click **Next**.



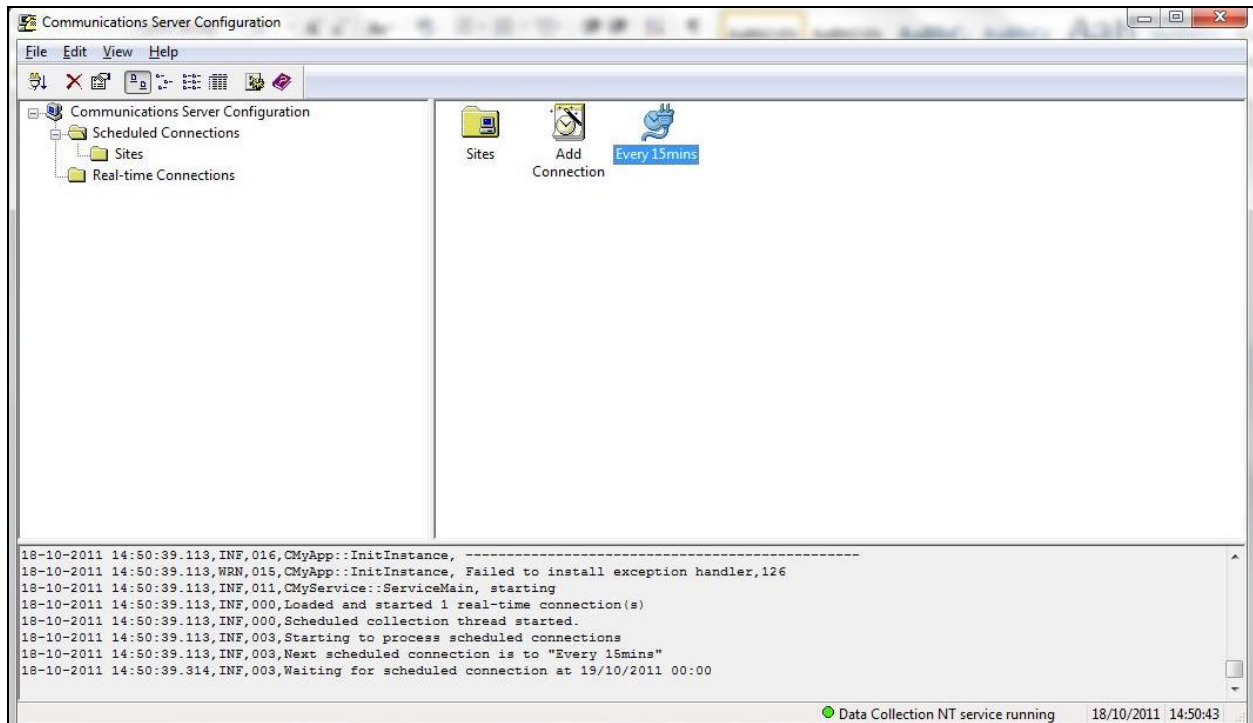
Select the site to be included in the scheduled connection; in this case the site that was setup in the previous section.



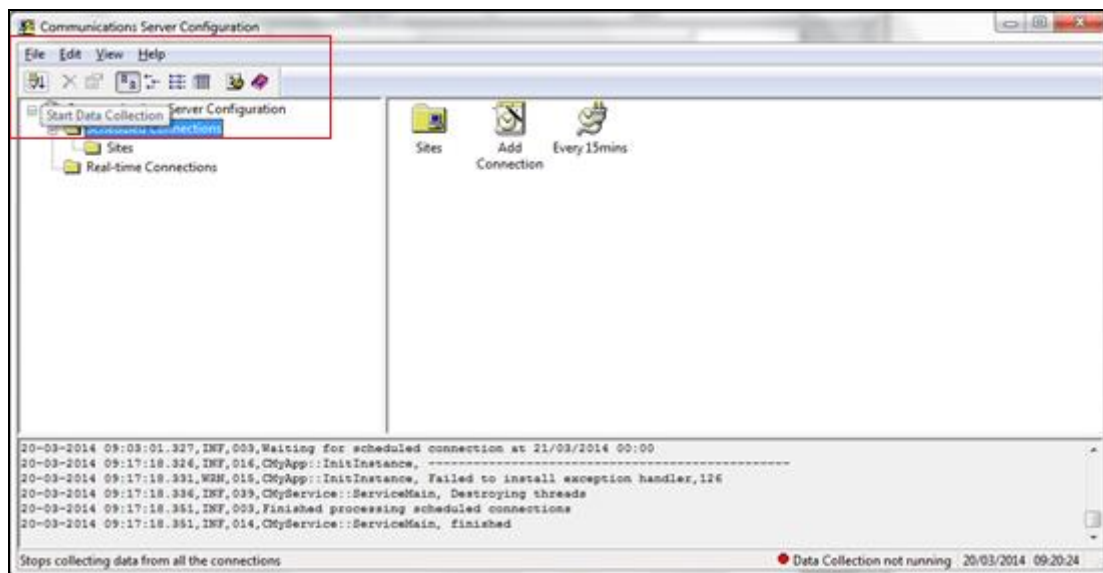
Select a suitable **Connection Name** and click **Finish** to complete.



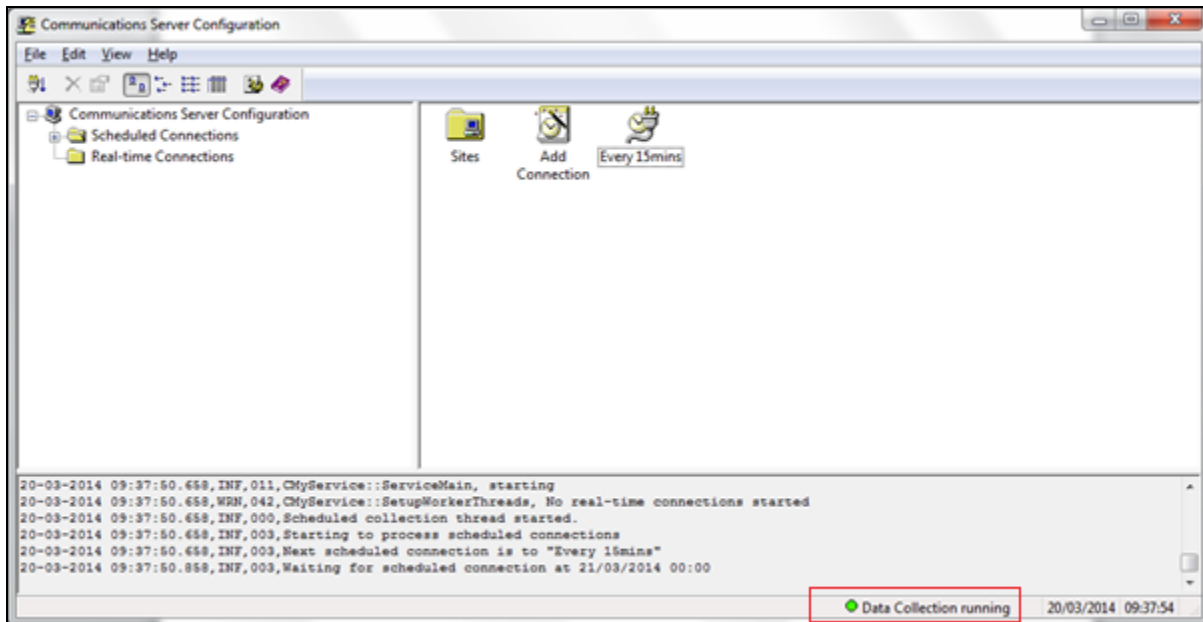
The new connection is now visible under **Scheduled Connections**.



Click on **File → Start Data Collection**.



Once this is setup correctly there will be a green light as highlighted below.

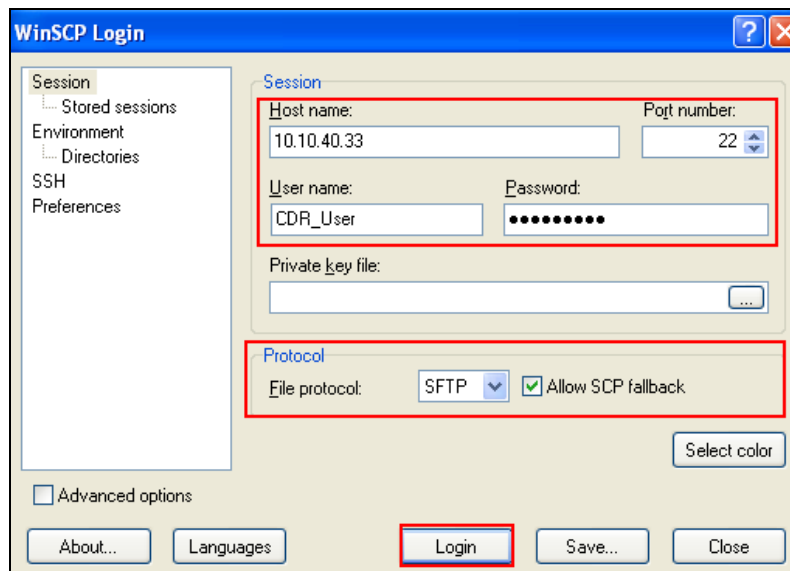


8. Verification Steps

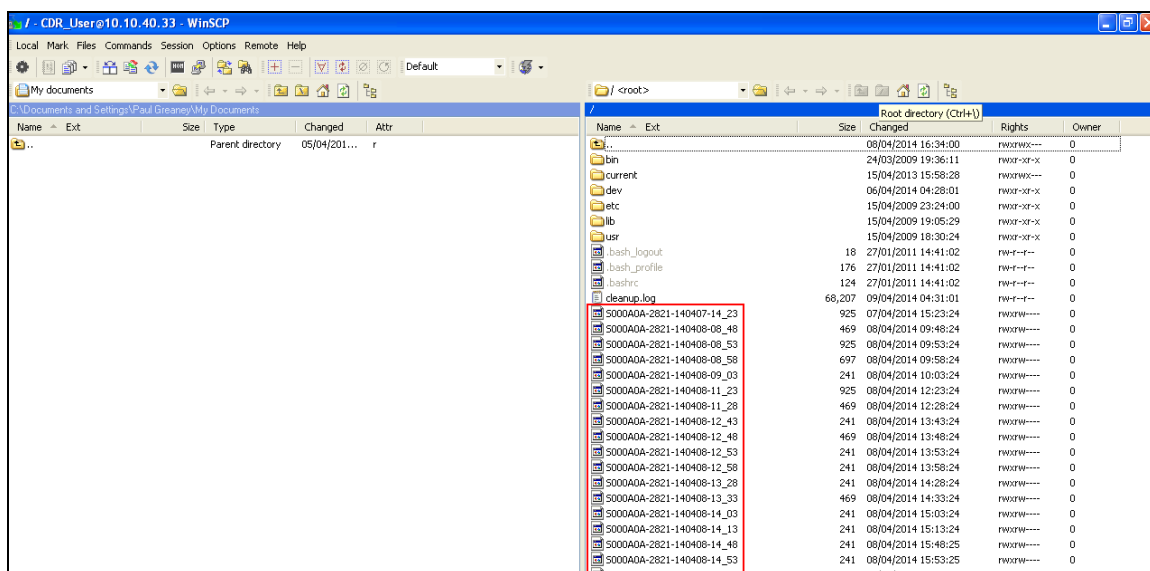
Verification that CDR data is being produced and sent to the RingMaster/Optimiser is done by first checking that CDR information is being sent from the PBX and second that this CDR information is being received by the RingMaster/Optimiser.

8.1. CDR information is being collected by Session Manager

Use a secure FTP application, e.g. WinSCP to connect to Session Manager by using the **CDR_User** and password to access the special folder that store the CDR files.

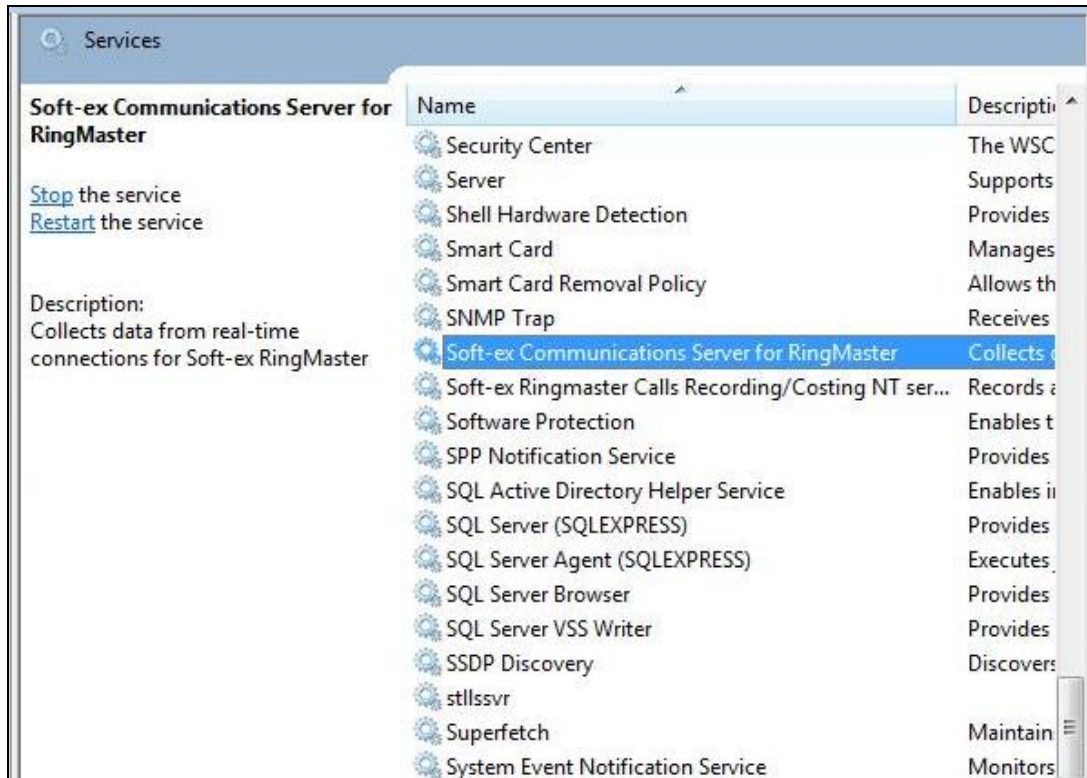


Place some different kinds of call; wait some minutes for Session Manager to generate the CDR files. There should be a list of files present as shown below.

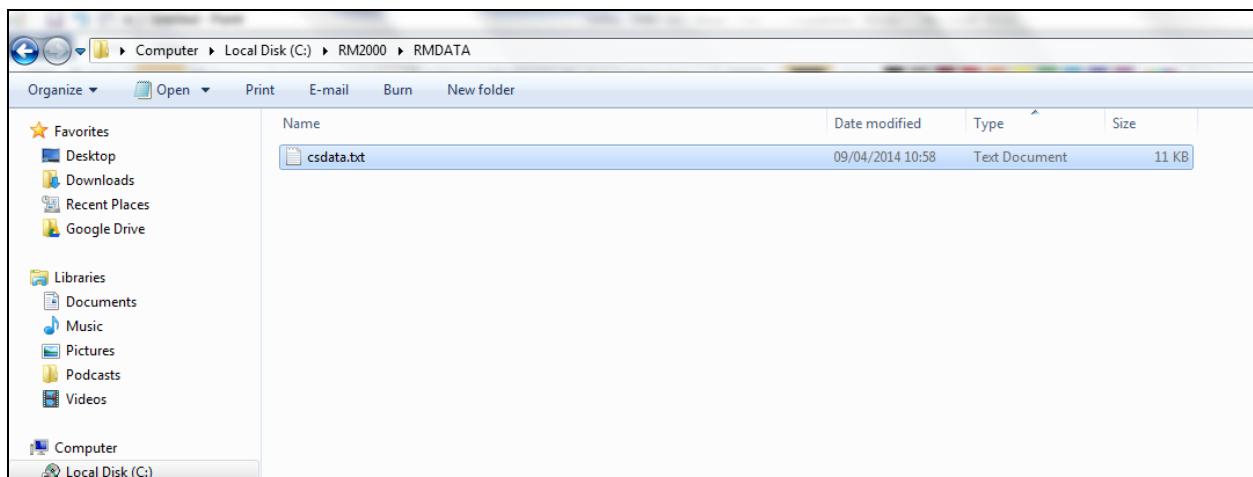


8.2. CDR information is being received by the RingMaster/Optimiser

On the Windows Server or PC navigate to Administrator Tools → Services (not shown). Check that the **Soft-ex Communications Server for RingMaster** service is running as shown below.



Check to see that a CDR file is created in the **C:\RM2000\RMDATA** folder.



9. Conclusion

These Application Notes describe the configuration steps necessary for provisioning Soft-ex's product RingMaster/Optimiser to successfully interoperate with Avaya Aura® Session Manager R6.3. All test cases were passed with any observations noted in **Section 2.2**.

10. Additional References

Additional Avaya product documentation is available at <http://support.avaya.com>.

- [1] *Avaya Aura® Session Manager Call Detail Recording Interface*. Issue 1.3.1 – 1
October 2013

Information on the installation and configuration of RingMaster/Optimiser can be found at <http://www.soft-ex.net> website.

Appendix A

Avaya Communication Server 1000E R7.6- Linux Patches

Product Release: 7.65.16.00

In system patches: 0

In System service updates: 26

PATCH#	IN SERVICE	SPECINS	REMOVABLE	NAME
2	Yes	NO	YES	cs1000-dmWeb-7.65.16.21-01.i386.000
3	Yes	NO	yes	cs1000-snmp-7.65.16.00-01.i686.000
4	Yes	NO	YES	cs1000-nrsm-7.65.16.00-03.i386.000
5	Yes	NO	YES	cs1000-oam-logging-7.65.16.01-01.i386.000
6	Yes	NO	yes	cs1000-cs1000WebService_6-0-7.65.16.21-00.i386.000
7	Yes	NO	YES	cs1000-sps-7.65.16.21-01.i386.000
8	Yes	NO	YES	cs1000-pd-7.65.16.21-00.i386.000
9	Yes	NO	YES	cs1000-shared-carrdtct-7.65.16.21-01.i386.000
10	Yes	NO	YES	cs1000-shared-tpselect-7.65.16.21-01.i386.000
11	Yes	NO	YES	cs1000-emWebLocal_6-0-7.65.16.21-01.i386.000
12	Yes	NO	yes	cs1000-dbcom-7.65.16.21-00.i386.000
13	Yes	NO	YES	cs1000-csmWeb-7.65.16.21-05.i386.000
14	Yes	NO	YES	cs1000-shared-xmsg-7.65.16.21-00.i386.000
15	Yes	NO	YES	cs1000-vtrk-7.65.16.21-29.i386.000
16	Yes	NO	YES	cs1000-tps-7.65.16.21-05.i386.000
17	Yes	NO	YES	cs1000-mscAnnc-7.65.16.21-02.i386.001
18	Yes	NO	YES	cs1000-mscAttn-7.65.16.21-04.i386.001
19	Yes	NO	YES	cs1000-mscConf-7.65.16.21-02.i386.001
20	Yes	NO	YES	cs1000-mscMusc-7.65.16.21-02.i386.001
21	Yes	NO	YES	cs1000-mscTone-7.65.16.21-03.i386.001
22	Yes	NO	YES	cs1000-bcc-7.65.16.21-21.i386.000
23	Yes	NO	YES	cs1000-Jboss-Quantum-7.65.16.21-3.i386.000
24	Yes	NO	YES	cs1000-emWeb_6-0-7.65.16.21-06.i386.000
25	Yes	NO	yes	cs1000-cs-7.65.P.100-01.i386.001
26	Yes	YES	yes	cs1000-linuxbase-7.65.16.21-08.i386.000
27	Yes	NO	YES	cs1000-patchWeb-7.65.16.21-06.i386.000

Avaya Communication Server 1000E R7.6 - Call Server Patches

VERSION 4121
RELEASE 7
ISSUE 65 P +
DepList 1: core Issue: 01 (created: 2013-12-17 04:32:53 (est))

IN-SERVICE PEPS

PAT#	CR #	PATCH REF #	NAME	DATE	FILENAME	SPECINS
000	wi01052968	ISS1:1OF1	p32540_1	19/03/2014	p32540_1.cpl	NO
001	wi01045058	ISS1:1OF1	p32214_1	19/03/2014	p32214_1.cpl	NO
002	wi01085855	ISS1:1OF1	p32658_1	19/03/2014	p32658_1.cpl	NO
003	wi01053314	ISS1:1OF1	p32555_1	19/03/2014	p32555_1.cpl	NO
004	wi01060382	iss1:1of1	p32623_1	19/03/2014	p32623_1.cpl	YES
005	wi01070580	ISS1:1OF1	p32380_1	19/03/2014	p32380_1.cpl	NO
006	wi01101876	ISS1:1OF1	p32858_1	20/03/2014	p32858_1.cpl	NO
007	wi01061481	ISS1:1OF1	p32382_1	19/03/2014	p32382_1.cpl	NO
008	wi01124074	ISS1:1OF1	p32989_1	20/03/2014	p32989_1.cpl	NO
009	wi01099300	iss1:1of1	p32704_1	20/03/2014	p32704_1.cpl	NO
010	wi01035976	ISS1:1OF1	p32173_1	19/03/2014	p32173_1.cpl	NO
011	wi01065922	ISS1:1OF1	p32516_1	19/03/2014	p32516_1.cpl	NO
012	wi01055480	ISS1:1OF1	p32712_1	19/03/2014	p32712_1.cpl	NO
013	wi01041453	ISS1:1OF1	p32587_1	19/03/2014	p32587_1.cpl	NO
014	wi01096842	ISS1:1OF1	p32731_1	20/03/2014	p32731_1.cpl	NO
015	WI0110261	ISS1:1OF1	p32758_1	19/03/2014	p32758_1.cpl	NO
016	wi01064599	iss1:1of1	p32580_1	19/03/2014	p32580_1.cpl	NO
017	wi01098783	ISS1:1OF1	p32748_1	20/03/2014	p32748_1.cpl	NO
018	wi01072027	ISS1:1OF1	p32689_1	19/03/2014	p32689_1.cpl	NO
019	wi01059388	iss1:1of1	p32628_1	19/03/2014	p32628_1.cpl	NO
020	wi01104410	ISS1:1OF1	p32801_1	20/03/2014	p32801_1.cpl	NO
021	wi00933195	ISS1:1OF1	p32491_1	19/03/2014	p32491_1.cpl	NO
022	wi00996734	ISS1:1OF1	p32550_1	19/03/2014	p32550_1.cpl	NO
023	wi01065118	ISS1:1OF1	p32397_1	19/03/2014	p32397_1.cpl	NO
024	wi01063864	ISS1:1OF1	p32410_1	19/03/2014	p32410_1.cpl	YES
025	wi01096712	ISS1:1OF1	p32708_1	20/03/2014	p32708_1.cpl	NO
026	wi01075359	ISS1:1OF1	p32671_1	19/03/2014	p32671_1.cpl	NO
027	wi01080753	ISS1:1OF1	p32518_1	19/03/2014	p32518_1.cpl	NO
028	wi01070473	ISS1:1OF1	p32413_1	19/03/2014	p32413_1.cpl	NO
029	wi01075355	ISS1:1OF1	p32594_1	19/03/2014	p32594_1.cpl	NO
030	wi01071379	ISS1:1OF1	p32522_1	19/03/2014	p32522_1.cpl	NO
031	wi01070756	ISS1:1OF1	p32444_1	19/03/2014	p32444_1.cpl	NO
032	wi01075353	ISS1:1OF1	p32613_1	19/03/2014	p32613_1.cpl	NO
033	wi01062607	ISS1:1OF1	p32503_1	19/03/2014	p32503_1.cpl	NO
034	wi01068851	ISS1:1OF1	p32439_1	19/03/2014	p32439_1.cpl	NO
035	wi01075352	ISS1:1OF1	p32603_1	19/03/2014	p32603_1.cpl	NO
036	wi01092300	ISS1:1OF1	p32692_1	19/03/2014	p32692_1.cpl	NO
037	wi01063263	ISS1:1OF1	p32573_1	19/03/2014	p32573_1.cpl	NO
038	wi01087528	ISS1:1OF1	p32700_1	19/03/2014	p32700_1.cpl	NO
039	wi01111400	ISS1:1OF1	p32854_1	20/03/2014	p32854_1.cpl	NO
040	wi01039280	ISS1:1OF1	p32423_1	19/03/2014	p32423_1.cpl	NO
041	wi01068669	ISS1:1OF1	p32333_1	19/03/2014	p32333_1.cpl	NO
042	wi01069441	ISS1:1OF1	p32097_1	19/03/2014	p32097_1.cpl	NO
043	wi01058621	ISS1:1OF1	p32339_1	19/03/2014	p32339_1.cpl	NO
044	wi01032756	ISS1:1OF1	p32673_1	19/03/2014	p32673_1.cpl	NO
045	wi01070465	iss1:1of1	p32562_1	19/03/2014	p32562_1.cpl	NO
046	wi01053920	ISS1:1OF1	p32303_1	19/03/2014	p32303_1.cpl	NO
047	wi00897254	ISS1:1OF1	p31127_1	19/03/2014	p31127_1.cpl	NO
048	wi01057403	ISS1:1OF1	p32591_1	19/03/2014	p32591_1.cpl	NO
049	wi01066991	ISS1:1OF1	p32449_1	19/03/2014	p32449_1.cpl	NO
050	wi01094305	ISS1:1OF1	p32640_1	19/03/2014	p32640_1.cpl	NO
051	wi01060611	ISS1:1OF1	p32809_1	20/03/2014	p32809_1.cpl	NO

052	wi01123033	ISS1:1OF1	p33006_1	20/03/2014	p33006_1.cpl	NO
053	wi01060241	ISS1:1OF1	p32381_1	19/03/2014	p32381_1.cpl	NO
054	wi01034307	ISS1:1OF1	p32615_1	19/03/2014	p32615_1.cpl	NO
055	wi01052428	ISS1:1OF1	p32606_1	19/03/2014	p32606_1.cpl	NO
056	wi00884716	ISS1:1OF1	p32517_1	19/03/2014	p32517_1.cpl	NO
057	wi01070468	iss1:1of1	p32418_1	19/03/2014	p32418_1.cpl	NO
058	wi01091447	ISS1:1OF1	p32675_1	19/03/2014	p32675_1.cpl	NO
059	wi01130189	ISS1:1OF1	p33004_1	20/03/2014	p33004_1.cpl	YES
060	wi01132599	ISS1:1OF1	p33025_1	20/03/2014	p33025_1.cpl	NO
061	wi01065125	ISS1:1OF1	p32416_1	19/03/2014	p32416_1.cpl	NO
062	wi01056633	ISS1:1OF1	p32322_1	19/03/2014	p32322_1.cpl	NO
063	wi01078721	ISS1:1OF1	p32553_1	20/03/2014	p32553_1.cpl	NO
064	wi01053597	ISS1:1OF1	p32304_1	19/03/2014	p32304_1.cpl	NO
065	wi01132883	ISS1:1OF1	p33030_1	20/03/2014	p33030_1.cpl	NO
066	wi01025156	ISS1:1OF1	p32136_1	19/03/2014	p32136_1.cpl	NO
067	wi01088775	ISS1:1OF1	p32659_1	19/03/2014	p32659_1.cpl	NO
068	wi01114038	ISS1:1OF1	p32869_1	20/03/2014	p32869_1.cpl	NO
069	wi01075360	iss1:1of1	p32602_1	19/03/2014	p32602_1.cpl	NO
070	wi01053195	ISS1:1OF1	p32297_1	19/03/2014	p32297_1.cpl	NO
071	wi01043367	ISS1:1OF1	p32232_1	19/03/2014	p32232_1.cpl	NO
072	wi01082456	ISS1:1OF1	p32596_1	19/03/2014	p32596_1.cpl	NO
073	wi01089519	ISS1:1OF1	p32665_1	19/03/2014	p32665_1.cpl	NO
074	wi01105888	ISS1:1OF1	p32794_1	20/03/2014	p32794_1.cpl	NO
075	wi01088585	ISS1:1OF1	p32656_1	19/03/2014	p32656_1.cpl	NO
076	wi01035980	ISS1:1OF1	p32558_1	19/03/2014	p32558_1.cpl	NO
077	wi01087543	ISS1:1OF1	p32662_1	19/03/2014	p32662_1.cpl	NO
078	wi01060826	ISS1:1OF1	p32379_1	19/03/2014	p32379_1.cpl	NO
079	wi01114177	ISS1:1OF1	p32871_1	20/03/2014	p32871_1.cpl	NO
080	wi01034961	ISS1:1OF1	p32144_1	19/03/2014	p32144_1.cpl	NO
081	wi01111041	ISS1:1OF1	p32840_1	20/03/2014	p32840_1.cpl	NO
082	WI01077073	ISS1:1OF1	p32534_1	19/03/2014	p32534_1.cpl	NO
083	wi01133985	ISS1:1OF1	p33049_1	20/03/2014	p33049_1.cpl	NO
084	wi01060341	ISS1:1OF1	p32578_1	19/03/2014	p32578_1.cpl	NO
085	wi01130836	ISS1:1OF1	p33008_1	20/03/2014	p33008_1.cpl	YES
086	wi01118928	ISS1:1OF1	p32922_1	20/03/2014	p32922_1.cpl	NO
087	wi01070585	ISS1:1OF1	p32383_1	20/03/2014	p32383_1.cpl	NO
088	wi01071296	ISS1:1OF1	p32836_1	20/03/2014	p32836_1.cpl	NO
089	wi01089355	ISS1:1OF1	p32674_1	20/03/2014	p32674_1.cpl	YES
090	wi01119312	ISS1:1OF1	p32919_1	20/03/2014	p32919_1.cpl	NO
091	wi01134952	ISS1:1OF1	p33039_1	20/03/2014	p33039_1.cpl	NO
092	wi01124477	ISS1:1OF1	p32963_1	20/03/2014	p32963_1.cpl	NO
093	wi01117636	ISS1:1OF1	p32941_1	20/03/2014	p32941_1.cpl	YES
094	wi01115894	ISS1:1OF1	p32910_1	20/03/2014	p32910_1.cpl	NO
095	wi01101385	ISS1:1OF1	p32773_1	20/03/2014	p32773_1.cpl	YES
096	wi01115450	ISS1:1OF1	p32888_1	20/03/2014	p32888_1.cpl	NO
097	wi01075538	ISS1:1OF1	p32469_1	20/03/2014	p32469_1.cpl	NO
098	wi01038234	ISS1:1OF1	p32192_1	20/03/2014	p32192_1.cpl	YES
099	wi01126552	ISS1:1OF1	p32975_1	20/03/2014	p32975_1.cpl	NO
100	wi01130405	ISS1:1OF1	p33015_1	20/03/2014	p33015_1.cpl	NO
101	wi01129028	ISS1:1OF1	p33016_1	20/03/2014	p33016_1.cpl	NO
102	wi01099724	ISS1:1OF1	p32742_1	20/03/2014	p32742_1.cpl	YES
103	wi01129098	ISS1:1OF1	p32951_1	20/03/2014	p32951_1.cpl	NO
104	wi01101781	ISS1:1OF1	p32890_1	20/03/2014	p32890_1.cpl	NO
105	WI01108562	ISS1:1OF1	p32832_1	20/03/2014	p32832_1.cpl	NO
106	wi01094727	ISS1:1OF1	p32848_1	20/03/2014	p32848_1.cpl	NO
107	wi01096967	ISS1:1OF1	p32735_1	20/03/2014	p32735_1.cpl	NO
108	wi01022598	ISS1:1OF1	p32066_1	20/03/2014	p32066_1.cpl	NO
109	wi01126454	ISS1:1OF1	p32973_1	20/03/2014	p32973_1.cpl	NO
110	wi01051200	ISS1:1OF1	p32290_1	20/03/2014	p32290_1.cpl	NO
111	wi01127640	ISS1:1OF1	p32992_1	20/03/2014	p32992_1.cpl	NO
112	wi01128512	ISS1:1OF1	p32997_1	20/03/2014	p32997_1.cpl	NO

113	wi01122174	ISS1:1OF1	p32936_1	20/03/2014	p32936_1.cpl	NO
114	wi01097598	ISS1:1OF1	p32797_1	20/03/2014	p32797_1.cpl	NO
115	wi01095462	ISS1:1OF1	p32723_1	20/03/2014	p32723_1.cpl	NO
116	wi01108828	ISS1:1OF1	p32831_1	20/03/2014	p32831_1.cpl	NO
117	wi01104473	ISS1:1OF1	p32818_1	20/03/2014	p32818_1.cpl	NO
118	wi01079444	ISS1:1OF1	p32564_1	20/03/2014	p32564_1.cpl	NO
119	wi01109251	ISS1:1OF1	p32827_1	20/03/2014	p32827_1.cpl	NO
120	wi01092443	ISS1:1OF1	p32676_1	20/03/2014	p32676_1.cpl	NO
121	wi01099292	ISS1:1OF1	p32886_1	20/03/2014	p32886_1.cpl	NO
122	wi01104867	ISS1:1OF1	p32828_1	20/03/2014	p32828_1.cpl	NO
123	wi01080963	ISS1:1OF1	p32626_1	20/03/2014	p32626_1.cpl	YES
124	wi01065115	ISS1:1OF1	p32523_1	20/03/2014	p32523_1.cpl	NO
125	wi01081510	ISS1:1OF1	p32582_1	20/03/2014	p32582_1.cpl	NO
126	wi01110593	ISS1:1OF1	p32849_1	20/03/2014	p32849_1.cpl	NO
127	wi01099606	iss1:1of1	p32713_1	20/03/2014	p32713_1.cpl	NO
128	wi01123389	ISS1:1OF1	p33045_1	20/03/2014	p33045_1.cpl	NO
129	wi01072062	ISS1:1OF1	p32776_1	20/03/2014	p32776_1.cpl	NO
130	wi01076654	ISS1:1OF1	p32529_1	20/03/2014	p32529_1.cpl	NO
131	wi01092793	ISS1:1OF1	p32699_1	20/03/2014	p32699_1.cpl	NO
132	wi01128596	ISS1:1OF1	p33000_1	20/03/2014	p33000_1.cpl	NO
133	wi01090535	ISS1:1OF1	p32519_1	20/03/2014	p32519_1.cpl	NO
134	wi01127447	ISS1:1OF1	p32990_1	20/03/2014	p32990_1.cpl	NO
135	wi01132244	ISS1:1OF1	p33041_1	20/03/2014	p33041_1.cpl	NO
136	wi01126704	ISS1:1OF1	p32980_1	20/03/2014	p32980_1.cpl	NO
137	wi01093118	ISS1:1OF1	p32496_1	20/03/2014	p32496_1.cpl	NO
138	wi01108262	ISS1:1OF1	p32865_1	20/03/2014	p32865_1.cpl	YES
139	wi01098433	ISS1:1OF1	p32736_1	20/03/2014	p32736_1.cpl	NO
140	wi01115807	ISS1:1OF1	p32895_1	20/03/2014	p32895_1.cpl	YES
141	wi01072366	ISS1:1OF1	p32488_1	20/03/2014	p32488_1.cpl	NO
142	wi01136698	ISS1:1OF1	p33057_1	20/03/2014	p33057_1.cpl	NO
143	wi01119086	ISS1:1OF1	p32917_1	20/03/2014	p32917_1.cpl	NO
144	wi01132204	ISS1:1OF1	p32501_1	20/03/2014	p32501_1.cpl	NO
145	wi01058378	ISS1:1OF1	p32344_1	20/03/2014	p32344_1.cpl	NO
146	wi01088797	ISS1:1OF1	p32844_1	20/03/2014	p32844_1.cpl	NO
147	wi00937672	ISS1:1OF1	p31276_1	20/03/2014	p31276_1.cpl	NO
148	wi01098905	ISS1:1OF1	p32556_1	20/03/2014	p32556_1.cpl	NO
149	wi01120705	ISS1:1OF1	p32930_1	20/03/2014	p32930_1.cpl	NO
150	wi01120406	ISS1:1OF1	p32956_1	20/03/2014	p32956_1.cpl	NO
151	wi01083896	ISS1:1OF1	p32937_1	20/03/2014	p32937_1.cpl	NO
152	wi01130815	ISS1:1OF1	p33017_1	20/03/2014	p33017_1.cpl	NO
153	wi01113374	ISS1:1OF1	p32874_1	20/03/2014	p32874_1.cpl	NO
154	wi01102168	ISS1:1OF1	p32738_1	20/03/2014	p32738_1.cpl	NO
155	wi01104627	ISS1:1OF1	p32819_1	20/03/2014	p32819_1.cpl	NO
156	wi01137003	ISS1:1OF1	p33053_1	20/03/2014	p33053_1.cpl	NO
157	wi01093071	ISS1:1OF1	p32701_1	20/03/2014	p32701_1.cpl	NO
158	wi01068751	ISS1:1OF1	p32445_1	20/03/2014	p32445_1.cpl	NO
159	wi01134602	ISS1:1OF1	p32398_1	20/03/2014	p32398_1.cpl	NO
160	wi01102093	ISS1:1OF1	p32760_1	20/03/2014	p32760_1.cpl	NO
161	wi01101969	ISS1:1OF1	p32726_1	20/03/2014	p32726_1.cpl	NO
162	wi01133106	ISS1:1OF1	p33032_1	20/03/2014	p33032_1.cpl	NO
163	wi01070279	ISS1:1OF1	p32262_1	20/03/2014	p32262_1.cpl	NO
164	wi01107601	ISS1:1OF1	p32970_1	20/03/2014	p32970_1.cpl	NO
165	wi01088915	ISS1:1OF1	p32638_1	20/03/2014	p32638_1.cpl	NO
166	wi01130348	ISS1:1OF1	p33014_1	20/03/2014	p33014_1.cpl	NO
167	wi01077639	ISS1:1OF1	p32883_1	20/03/2014	p32883_1.cpl	NO
168	wi01125238	ISS1:1OF1	p32971_1	20/03/2014	p32971_1.cpl	NO
169	wi01000087	ISS1:1OF1	p32014_1	20/03/2014	p32014_1.cpl	NO
170	wi01119100	ISS1:1OF1	p32925_1	20/03/2014	p32925_1.cpl	NO
171	wi01132902	ISS1:1OF1	p33028_1	20/03/2014	p33028_1.cpl	NO
172	wi01053950	ISS1:1OF1	p32654_1	20/03/2014	p32654_1.cpl	YES
173	wi01082824	ISS1:1OF1	p32467_1	20/03/2014	p32467_1.cpl	NO

174	wi01109345	ISS1:1OF1	p32830_1	20/03/2014	p32830_1.cpl	NO
175	wi01073725	ISS1:1OF1	p32552_1	20/03/2014	p32552_1.cpl	NO
176	wi01103142	ISS1:1OF1	p32778_1	20/03/2014	p32778_1.cpl	NO
177	wi01099810	ISS1:1OF1	p32796_1	20/03/2014	p32796_1.cpl	NO
178	wi01134354	ISS1:1OF1	p33031_1	20/03/2014	p33031_1.cpl	NO
179	wi01127527	ISS1:1OF1	p32988_1	20/03/2014	p32988_1.cpl	YES
180	wi01095255	ISS1:1OF1	p33027_1	20/03/2014	p33027_1.cpl	NO
181	wi01121374	ISS1:1OF1	p31107_1	20/03/2014	p31107_1.cpl	NO
182	wi01102475	ISS1:1OF1	p32782_1	20/03/2014	p32782_1.cpl	YES
183	wi01120458	ISS1:1OF1	p32929_1	20/03/2014	p32929_1.cpl	NO
184	wi01118320	ISS1:1OF1	p32753_1	20/03/2014	p32753_1.cpl	NO
185	wi01133960	ISS1:1OF1	p33034_1	20/03/2014	p33034_1.cpl	NO
186	wi01075540	ISS1:1OF1	p32492_1	20/03/2014	p32492_1.cpl	NO
187	wi01112655	ISS1:1OF1	p32870_1	20/03/2014	p32870_1.cpl	NO
188	wi01106658	ISS1:1OF1	p32812_1	20/03/2014	p32812_1.cpl	NO
189	wi01021522	ISS1:1OF1	p32863_1	20/03/2014	p32863_1.cpl	NO
190	wi01089807	ISS1:1OF1	p32957_1	20/03/2014	p32957_1.cpl	NO
191	wi01083036	ISS1:1OF1	p32571_1	20/03/2014	p32571_1.cpl	NO
192	wi01102091	ISS1:1OF1	p32744_1	20/03/2014	p32744_1.cpl	YES
193	wi01104486	ISS1:1OF1	p32866_1	20/03/2014	p32866_1.cpl	NO
194	wi01119863	ISS1:1OF1	p32923_1	20/03/2014	p32923_1.cpl	NO
195	wi01071996	ISS1:1OF1	p32461_1	20/03/2014	p32461_1.cpl	NO
196	wi01094832	iss1:1of1	p32718_1	20/03/2014	p32718_1.cpl	NO
197	wi01115369	ISS1:1OF1	p32889_1	20/03/2014	p32889_1.cpl	NO
198	wi01137737	ISS1:1OF1	p33055_1	20/03/2014	p33055_1.cpl	NO
199	wi01081692	ISS1:1OF1	p32569_1	20/03/2014	p32569_1.cpl	NO
200	wi01065248	ISS1:1OF1	p32412_1	20/03/2014	p32412_1.cpl	NO
201	wi01132222	ISS1:1OF1	p33023_1	20/03/2014	p33023_1.cpl	NO
202	wi01127874	ISS1:1OF1	p25747_1	20/03/2014	p25747_1.cpl	NO
203	wi01118819	ISS1:1OF1	p32954_1	20/03/2014	p32954_1.cpl	NO
204	wi01096907	ISS1:1OF1	p32733_1	20/03/2014	p32733_1.cpl	NO
205	wi01111194	ISS1:1OF1	p32821_1	20/03/2014	p32821_1.cpl	NO
206	wi01113712	ISS1:1OF1	p32877_1	20/03/2014	p32877_1.cpl	NO
207	wi01100508	ISS1:1OF1	p32761_1	20/03/2014	p32761_1.cpl	NO
208	wi01096910	ISS1:1OF1	p32734_1	20/03/2014	p32734_1.cpl	NO
209	wi01071659	ISS1:1OF1	p32589_1	20/03/2014	p32589_1.cpl	NO
210	wi01075149	ISS1:1OF1	p32475_1	20/03/2014	p32475_1.cpl	NO
211	wi01097166	ISS1:1OF1	p32878_1	20/03/2014	p32878_1.cpl	NO
212	wi01068922	ISS1:1OF1	p32454_1	20/03/2014	p32454_1.cpl	NO
213	wi01127738	ISS1:1OF1	p32993_1	20/03/2014	p32993_1.cpl	NO
214	wi01102296	ISS1:1OF1	p32780_1	20/03/2014	p32780_1.cpl	NO
215	wi01076948	ISS1:1OF1	p32526_1	20/03/2014	p32526_1.cpl	YES
216	wi01088055	ISS1:1OF1	p32607_1	20/03/2014	p32607_1.cpl	NO
217	wi01114695	ISS1:1OF1	p32885_1	20/03/2014	p32885_1.cpl	NO
MDP>LAST SUCCESSFUL MDP REFRESH :2014-03-20 09:14:46(Local Time)						

Appendix B

Avaya Communication Server 1000E D-Channel for SIP Trunks

```
>ld 22
REQ prt
TYPE adan dch 1
ADAN DCH 1
  CTYP DCIP
  DES SIPL
  USR ISLD
  ISLM 4000
  SSRC 3700
  OTBF 32
  NASA NO
  IFC SL1
  CNEG 1
  RLS ID 25
  RCAP
  MBGA NO
  H323
    OVLR NO
    OVLS NO
```

Avaya Communication Server 1000E Route for SIP calls

```
>ld 21
REQ: prt
TYPE: rdb
CUST 0
ROUT 22
TYPE RDB
CUST 00
ROUT 22
DES SIPTRK
TKTP TIE
M911P NO
ESN NO
RPA NO
CNVT NO
SAT NO
RCLS EXT
VTRK YES
ZONE 00066
PCID SIP
CRID YES
SBWM NO
NODE 111
DTRK NO
ISDN YES
  MODE ISLD
  DCH 1
  IFC SL1
  PNI 00001
  NCNA YES
  NCRD YES
  TRO YES
  FALT NO
```

```

CTYP UKWN
INAC NO
ISAR NO
DAPC NO
MBXR NO
MBXOT NPA
MBXT 0
PTYP ATT
CNDP UKWN
AUTO NO
DNIS NO
DCDR NO
ICOG IAO
SRCH LIN
TRMB YES
STEP
ACOD 8022
TCPP NO
PII NO
AUXP NO
TARG
CLEN 1
BILN NO
OABS
INST
IDC NO
DCNO 0 *
NDNO 0
DEXT NO
ANTK
SIGO STD
STYP SDAT
MFC NO
ICIS YES
OGIS YES
PTUT 0
TIMR ICF 1920
      OGF 1920
      EOD 13952
      LCT 256
      DSI 34944
      NRD 10112
      DDL 70
      ODT 4096
      RGV 640
      GTO 896
      GTI 896
      SFB 3
      PRPS 800
      NBS 2048
      NBL 4096
      IENB 5
      TFD 0
      RTD 12
      VSS 0
      VGD 6
      EESD 1024
SST 5 0
DTD NO
SCDT NO
2 DT NO

```

NEDC ORG
FEDC ORG
CPDC NO
DLTN NO
HOLD 02 02 40
SEIZ 02 02
SVFL 02 02
DRNG NO
CDR NO
NATL YES
SSL
CFWR NO
IDOP NO
VRAT NO
MUS NO
PANS YES
MANO NO
FRL 0 0
FRL 1 0
FRL 2 0
FRL 3 0
FRL 4 0
FRL 5 0
FRL 6 0
FRL 7 0
OHQ NO
OHQT 00
CBQ NO
AUTH NO
TDET NO
TTBL 0
ATAN NO
OHTD NO
PLEV 2
OPR NO
ALRM NO
ART 0
PECL NO
DCTI 0
TIDY 8022 22
ATRR NO
TRRL NO
SGRP 0
CCBA NO
ARDN NO
CTBL 0
ANIE 0
CAC_CIS 3
AACR NO

Avaya Communication Server 1000E Trunk channel

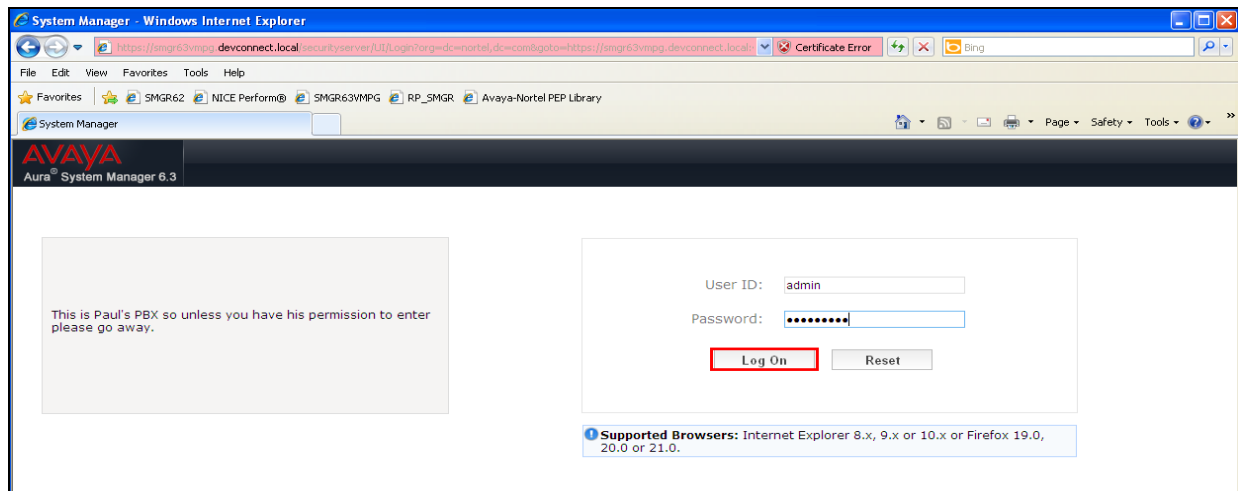
```
>ld 20
REQ: prt
TYPE: tn
TYPE TNB
TN 100 0 3 0
DES SIPTRK
TN 100 0 03 00 VIRTUAL
TYPE IPTI
CDEN 8D
CUST 0
XTRK VTRK
ZONE 00066
TIMP 600
BIMP 600
AUTO_BIMP NO
NMUS NO
TRK ANLG
NCOS 0
RTMB 22 1
CHID 11
TGAR 0
STRI/STRO IMM IMM
SUPN YES
AST NO
IAPG 0
CLS UNR DIP CND ECD WTA LPR APN THFD XREP SPCD MSBT
P10 NTC MID
TKID
AACR NO
DATE 27 AUG 2013
```

Appendix C

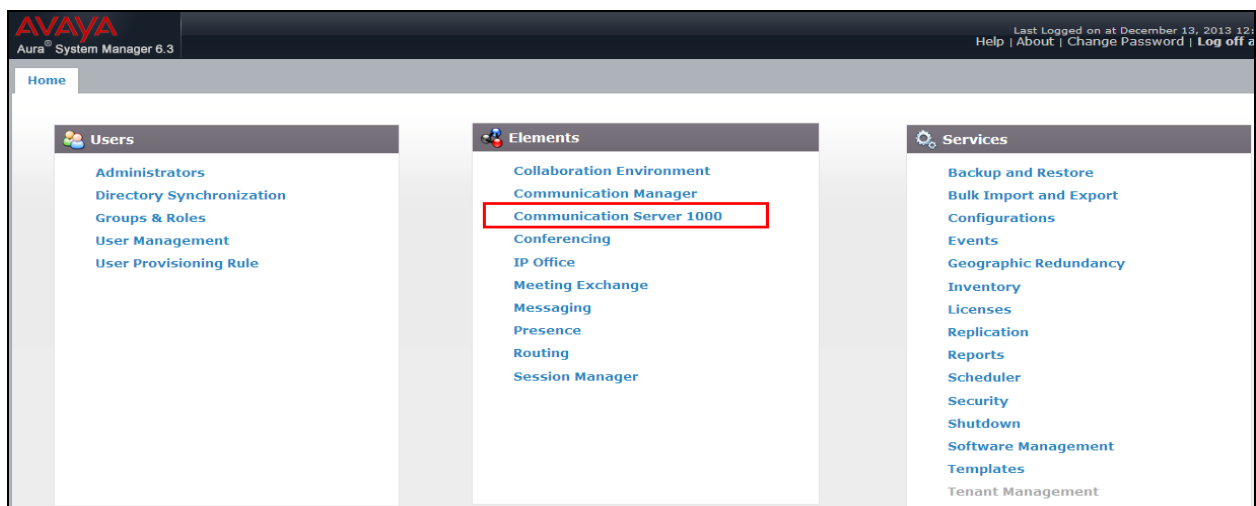
Configure Avaya Communication Server 1000E SIP Gateway to amend the SIP URI

The phone-context information appears on the CDR report from Session Manager and overwrites the column displaying the calling/called number. This must be removed in order to display the number in the correct format.

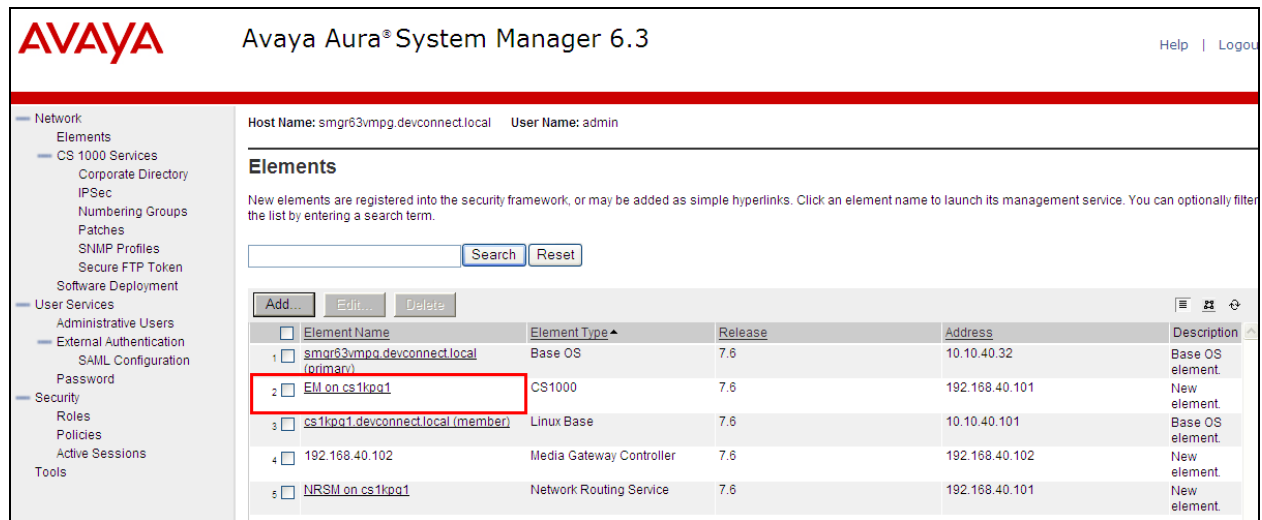
Access to the CS1000E Signalling Server is achieved by logging into System Manager using a Web Browser by entering **http://<FQDN>/SMGR**, where **<FQDN>** is the fully qualified domain name of System Manager or **http://<IP Address>/SMGR**. Log in using appropriate credentials.



Once logged in click on **Communication Server 1000** as highlighted



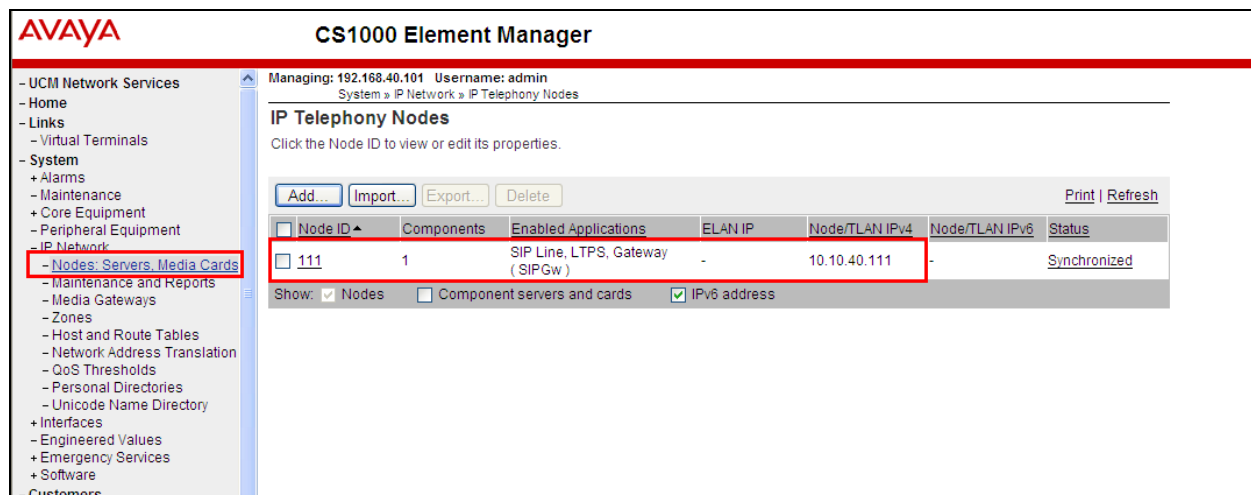
The following screen appears showing the various **Elements**, select **EM on cs1kpg1** (note this name may appear different depending on the system).



The screenshot shows the Avaya Aura System Manager 6.3 interface. The left sidebar contains a navigation tree with categories like Network, User Services, and Security. The main content area is titled 'Elements' and displays a table of registered elements. The table has columns for Element Name, Element Type, Release, Address, and Description. The element 'EM on cs1kpg1' is highlighted with a red box.

	Element Name	Element Type	Release	Address	Description
1	smgr63vmpg.devconnect.local (primary)	Base OS	7.6	10.10.40.32	Base OS element.
2	EM on cs1kpg1	CS1000	7.6	192.168.40.101	New element.
3	cs1kpg1.devconnect.local (member)	Linux Base	7.6	10.10.40.101	Base OS element.
4	192.168.40.102	Media Gateway Controller	7.6	192.168.40.102	New element.
5	NRSM on cs1kpg1	Network Routing Service	7.6	192.168.40.101	New element.

Navigate to **IP Network** → **Nodes: Servers and Media Cards** in the left window and select the Node associated with the CS1000E. In the example below this **Node ID** is **111**. Open this node by clicking on **111** highlighted below.



The screenshot shows the CS1000 Element Manager interface. The left sidebar contains a navigation tree with categories like UCM Network Services, System, and IP Network. The main content area is titled 'IP Telephony Nodes' and displays a table of nodes. The node with ID 111 is highlighted with a red box.

Node ID	Components	Enabled Applications	ELAN IP	Node/TLAN IPv4	Node/TLAN IPv6	Status
111	1	SIP Line, LTPS, Gateway (SIPGW)	-	10.10.40.111	-	Synchronized

Select **Gateway (SIPGw)** highlighted.

AVAYA CS1000 Element Manager

Managing: 192.168.40.101 Username: admin
System » IP Network » IP Telephony Nodes » Node Details

Node Details (ID: 111 - SIP Line, LTPS, Gateway (SIPGw))

Subnet mask: 255.255.255.0 * Subnet mask: 255.255.255.0 *
Node IPv6 address:

IP Telephony Node Properties

- Voice Gateway (VGW) and Codecs
- Quality of Service (QoS)
- LAN
- SNTP
- Numbering Zones
- MCDN Alternative Routing Treatment (MALT) Causes

Applications (click to edit configuration)

- SIP Line
- Terminal Proxy Server (TPS)
- Gateway (SIPGw)**
- Personal Directories (PD)
- Presence Publisher
- IP Media Services

* Required Value. [Save] [Cancel]

Associated Signaling Servers & Cards

Select to add [v] [Add] [Remove] [Make Leader] [Print] [Refresh]

Hostname	Type	Deployed Applications	ELAN IP	TLAN IPv4	Role
cs1kpg1	Signaling_Server	SIP Line, LTPS, Gateway (SIP/H323), PD, Presence Publisher, IP Media Services	192.168.40.101	10.10.40.101	Leader

Show: ☐ IPv6 address

Scroll down to **SIP URI Map**. Note this will be already populated with the public and private domain names as shown below. These can be deleted.

AVAYA CS1000 Element Manager

Managing: 192.168.40.101 Username: admin
System » IP Network » IP Telephony Nodes » Node Details » Virtual Trunk Gateway Configuration

Node ID: 111 - Virtual Trunk Gateway Configuration Details

General | SIP Gateway Settings | SIP Gateway Services

Number translation: Strip: Prefix: CLID display format:
Subscriber (SN): 0 <CCC><Area code><SN>
National (NN): 0 <CCC><NN>
International: 0 <International number>

SIP URI Map:

Public E.164 domain names		Private domain names	
National:		UDP:	udp
Subscriber:		CDP:	cdp.udp
Special number:	PublicSpecial	Special number:	PrivateSpecial
Unknown:	PublicUnknown	Vacant number:	PrivateUnknown
		Unknown:	UnknownUnknown

SIP Gateway Services

* Required Value. Note: Changes made on this page will NOT be transmitted until the Node is also saved. [Save] [Cancel]

Once deleted all boxes should be completely blank and once done click on **Save** as the bottom right of the screen.

AVAYA CS1000 Element Manager

Managing: 192.168.40.101 Username: admin
System » IP Network » IP Telephony Nodes » Node Details » Virtual Trunk Gateway Configuration

Node ID: 111 - Virtual Trunk Gateway Configuration Details

General | SIP Gateway Settings | SIP Gateway Services

Number translation: Strip: Prefix: CLID display format:
 Subscriber (SN): 0 <CCC><Area code><SN>
 National (NN): 0 <CCC><NN>
 International: 0 <International number>

SIP URI Map:

Public E.164 domain names Private domain names

National: UDP:
 Subscriber: CDP:
 Special number: Special number:
 Unknown: Vacant number:
 Unknown:

SIP Gateway Services

* Required Value. Note: Changes made on this page will NOT be transmitted until the Node is also saved. **Save** Cancel

Click on **Save** again as highlighted below.

AVAYA CS1000 Element Manager

Managing: 192.168.40.101 Username: admin
System » IP Network » IP Telephony Nodes » Node Details

Node Details (ID: 111 - SIP Line, LTPS, Gateway (SIPGw))

Node ID: 111 * (0-9999)
 Call server IP address: 192.168.40.101 * TLAN address type: ☒ IPv4 only
☐ IPv4 and IPv6

Embedded LAN (ELAN) Telephony LAN (TLAN)
 Gateway IP address: 192.168.40.1 * Node IPv4 address: 10.10.40.111 *
 Subnet mask: 255.255.255.0 * Subnet mask: 255.255.255.0 *
 Node IPv6 address:

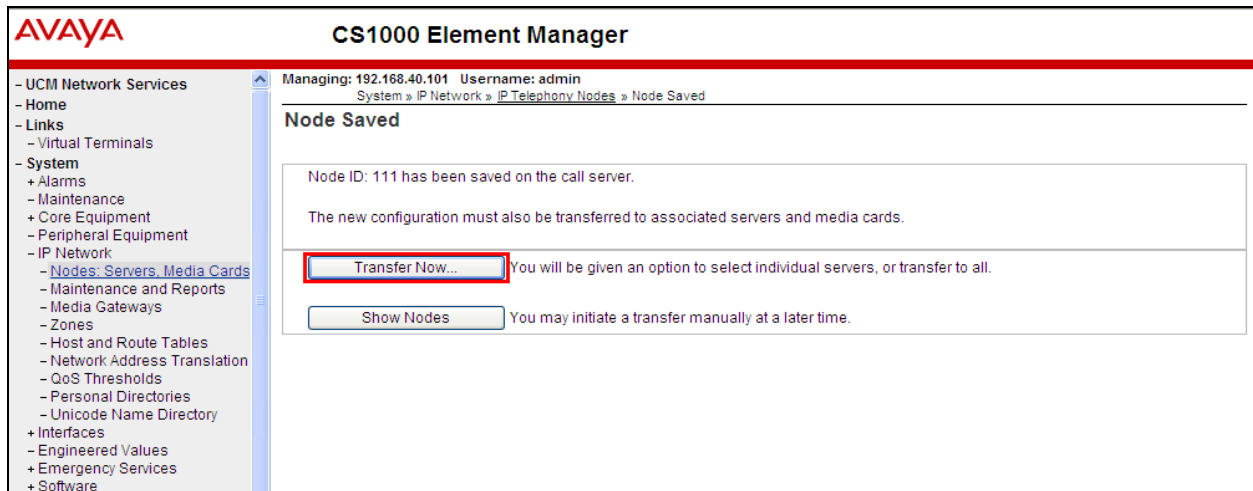
* Required Value. **Save** Cancel

Associated Signaling Servers & Cards

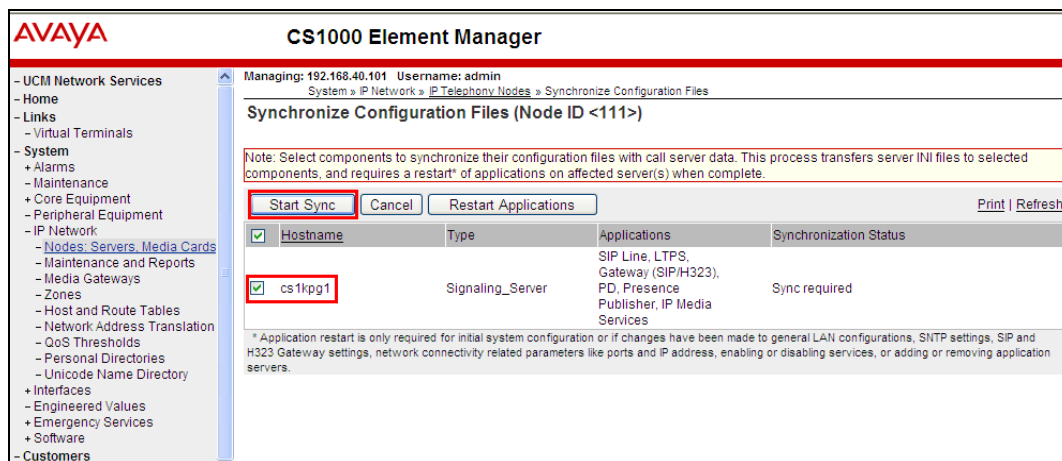
Select to add Add Remove Make Leader Print Refresh

Hostname	Type	Deployed Applications	ELAN IP	TLAN IPv4	Role
cs1kpg1	Signaling_Server	SIP Line, LTPS, Gateway (SIP/H323), PD, Presence	192.168.40.101	10.10.40.101	Leader

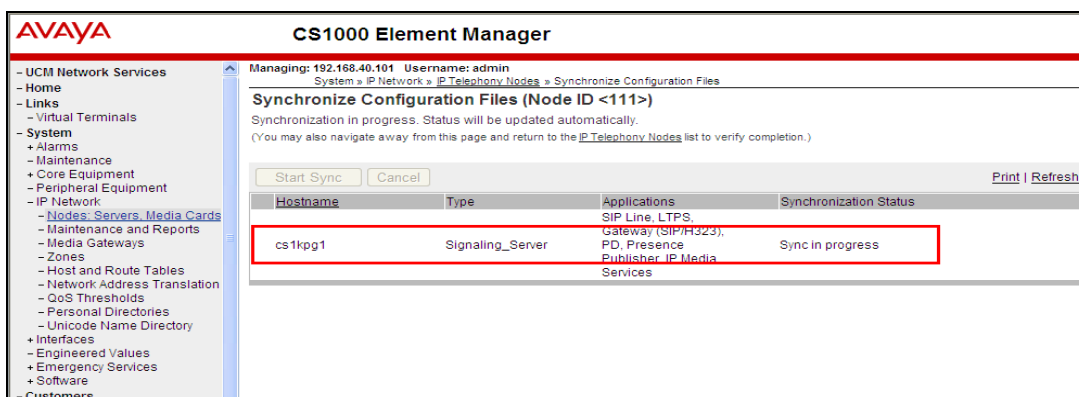
Select **Transfer Now** as shown below.



The following screen is displayed requiring that synchronization is performed followed by a restart of the Applications. Ensure the **Hostname** is ticked and click on **Start Sync**.



The following screen shows the **Sync in progress**.



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