

**RELEASE NOTES** 

# ShoreTel Contact Center Agent Dashboard

ShoreTel Advanced Applications

# **Revision History**

### Version 4.9 -- August 28, 2017

- (1) Rebuilt with the latest version 4.5.43 of the ShoreTel COM SDK.
- (2) Now qualified to be deployed on Windows Server 2016. The pre-requisite of ASP.NET 3.5 SP1 must be enabled on the IIS 10.x.

### Version 4.7 -- March 15, 2016

Rebuilt with the latest version 4.5.29 of the ShoreTel COM SDK.

### Version 4.6 -- March 11, 2016

#### New

**Group Agents Report enhancement:** A CCAD Administrator can now rename the title of a Group Agents Report from as the below screenshots show:

Cu	rrent Page Scope: Shared View	Show Per-Use	r View 🛛 🕅 F	Publish 💼 Reset 🖃 A	dd Reports 📑 Organize
C	Group Agents Report	-	Edit Minimize		
	Property Grid  Show paged list Report font size: defaultFontSize	1			
	Report Title: SalesAgents OK Canc	× el Apply			



			9							
Sal	esAgents									
	<u>Agent</u> ▲	ID	<u>Ext</u>	<u>State</u>	DNIS#	<u>DNIS</u>	<u>ani</u>	Total Calls	Daily ACD Calls	Daily N. ACD Calls
0	John Ford	4501	501	RIs				0	0	2
	Moto Tachiri	4503	502	RIs				0	0	0

Notes:

- 1) Different such reports can have different titles.
- 2) Group Agents Report is currently the only CCAD report whose title can be customized in this way.
- 3) If empty title is specified, the default report title of "Group Agents Report" is used.
- 4) If two Group Agents Report are named the same, then a number prefix is automatically added to the reports' title such as "SalesAgents [1]" and "SalesAgents [2]" to distinguish the reports.

**Fix:** For click to call, when a user extension with a hyphen was reassigned, call could not be made from that extension.

### Version 4.5 -- February 29, 2016

#### New

#### **Group Agents Report enhancements:**

- Based on a new optional global configuration flag, the agent state column can be colored to match with the default agent state coloring done in the ECC Agent Manager's real time reports. These colors are not customizable.
- Two additional statistics can now be optionally displayed: daily inbound ACD calls answered and daily non-ACD calls handled by each shown agent. The daily count of non-ACD calls per agent includes all kind of non-ACD "direct dialed" calls - inbound, outbound, external or internal. These daily agent statistics, as available from the ECC, accumulate data from 12 AM onwards for the day, or from the time of the last ECC server restart.
- A CCAD user can now individually configure the HTML font size of a Group Agents report to one of three sizes: default, extra-large and extra-extra-large. For instance, a user can edit the default font size of a Group Agents Report to extra-large:

Gro	oup Agent	s Re	eport	[1]			
	Agent-	Ext	State	ANI	Time	Daily ACD Calls	Daily N. ACD Calls
5	John Ford	501	Idle		00:03:55	0	3
D,	Moto Tachiri	502	Idle		00:03:44	1	0



File Edit View Favorites Tools Help								
Editor Zone Close Cur Modify the properties of the Web Part, then click OK or Apply to	rent Page Scope: Per-User	Show Shared V	iew 😑 Org	<u>ianize</u>				
apply your changes.				Dashboard	I Zone 1			
Chrome State:	aily Group Report - Ma	arketing						•
Zone: Dashboard Zone 1 V Zone Index:	Calls Ans 1	wered	A	gents / 2 / 2	Active 2	Calls	s Aban 1	doned
Property Grid     defaultFontSize     extraLargeFontSize     extraLargeFontSize     wrate argeFontSize	Calls in Q 0	ueue	An	swer F 50%	Rate	Avg Wa 00:01:1	ait Ma 18 OC	ax Wait ):00:39
OK Cancel Apply	TSF 50%		Avg 00:0	Talk )0:00		M 0	lax Tal 0:00:0	k 0
	Group Agents Report							•
	Agent	Ext State	ANI	Time	Daily AC	CD Calls	Daily N.	ACD Calls
	Moto Tachiri 🗄	502 ACD	501	00:05:22	1	1		0
	<u>John Ford</u> १	501 <mark>Out</mark>	501	00:05:40	C	)		3

Similarly, when the extra-extra-large-font-size is chosen, the report appears like below:

G	roup Agents Report						•
	Agent-	<u>Ext</u>	<u>State</u>	<u>ANI</u>	<u>Time</u>	<b>Daily ACD Calls</b>	Daily N. ACD Calls
•	Moto Tachiri	502	ACD	501	00:07:13	1	0
•	<mark>s John Ford</mark>	501	Out	501	00:07:31	0	3

This then allows, for instance, the extra-extra-large font size to be used for the CCAD when displayed on a LCD TV while, when displayed on individual desktops, the default font size can be chosen. This font-size preference is persisted for each CCAD user and applied on next CCAD login of that user. Please note these HTML font sizes are applied by a browser and the agent state icon is always of the same size. Also, this individual user chosen report font size can be overridden by a CCAD Administrator when republishing the updated CCAD.

**Daily Group Report enhancement:** Two additional daily group statistics can now be optionally displayed: Max Wait Time and Number of Abandoned calls for the day. These daily group statistics, as available from the ECC, accumulate data from 12 AM onwards for the day, or from the time of the last ECC server restart.

**Fix:** For click to call, 6 digit extensions and Route Points can now be configured, respectively, in **WindowsUsers2ExtensionsMap.xml** and **ECCGroupNames2RoutePoints.xml**.

#### Version 4.4 -- February 19, 2016

New

• Click to call Agent and Group: Depending on a new application-wide configuration flag, a Group Agents Report shows clickable agent names and, on clicking an agent,



allows a CCAD user to dial the agent's ShoreTel extension. Similarly, a **Daily Brief Group Report** shows clickable group names and, on clicking a group, allows a CCAD user to dial the configured ShoreTel Route Point (RP) for the clicked ECC group name:

Dai	ly Brie	f Gro	oup	Rep	ort [1	]									-
Na	ame 🔺	Queu	led (	Curr I	Max Wa	it Max Wait	Accepte	d Ans	wered	Aband	oned	Login	Release	<u>Idle</u>	<u>ACD</u>
Em	ailGrp	0				00:00:00	0		0	0		0	0	0	0
Ma	rketing	0				00:00:00	0		0	0			0	1	0
Sal	es	0				00:00:00	0		0	0			0	0	0
Su	oport	0				00:00:00	0		0	0			0	1	0
Tes	st Group	0				00:00:00	0		0	0			0	0	0
Gro	up Ag	jents	s Re	port	[1]										
	Agen	t▲	<u>ID</u>	<u>Ext</u>	<u>State</u>	Start time	Code	<u>DNIS</u>	ANI	<u>Time</u>	InB.	ACD Ca	alls Tota	Calls	]
	John Fo	ord	4501	501	RIs	10:59:37 AM	No Code			23:49:25		0		0	
0.	Moto Ta	achiri	4503	502	Idle	09:30:00 AM				01:19:02		0		0	

Please note the following pre-requisites for this functionality to work:

- ShoreTel 14.2 as well Connect ONSITE deployment but NOT Connect CLOUD.
- A CCAD instance will need to be deployed on a ShoreTel Application Server (and not ECC server itself.)
- Call is made from the configured ShoreTel user extension of the Windows user that is using the CCAD. The mapping from a Windows/Active Directory (AD) User ID to ShoreTel user extension is determined from a new XML configuration file WindowsUsers2ExtensionsMap.xml and is separate from user configuration in the ShoreTel Director. Similarly, the ShoreTel RP corresponding to a clicked Group name is determined from another new XML configuration file ECCGroupNames2RoutePoints.xml. The routing of calls presented at the ShoreTel RP to the named ECC group will need to be configured inside the ECC, outside of the CCAD. These files are used to: (1) determine the ShoreTel user extension of a Windows/AD User who is logged in to the CCAD, and (2) determine the ShoreTel RP that is configured to route, inside ECC, to a named ECC group. These mappings allow the CCAD to initiate calls directly to ShoreTel user or Route Point extensions based on associations to ECC agents and groups, respectively.
- These two new mapping XML files need to be <u>manually edited</u> (separately from the standard CCAD web site configuration using IIS Administration) using common editors (notepad and any other.) As and when any of these mapping files are updated, the CCAD needs to be restarted for the configuration changes to take in affect. These two files need to be manually kept current corresponding to the relevant ShoreTel and ECC configuration.
- Clicking an agent name or group name will initiate a new call to that agent's ShoreTel extension or to the corresponding RP, respectively, from the CCAD user's ShoreTel extension. The CCAD user will need to track and manage calls (existing as well as new, transfer or otherwise) as well as determine whether the made call succeeded or failed using the ECC Agent Toolbar, ShoreTel Communicator or ShoreTel phone outside of the CCAD.



Fix: In some browsers CCAD session was still getting timed out even it was disabled.

### Version 4.2 -- November 23, 2015

#### New

• Now multiple instances of the CCAD can be deployed by configuring each CCAD instance to request and enforce a specified number of user licenses. Please note:

(1) Each CCAD instance must still be deployed on a separate server (other than the ECC server itself.) There can't be two CCAD instances on the same server.
 (2) For each instance of the CCAD, the documented deployment requirements will apply.
 (3) Each CCAD instance will need to be configured separately to optionally request and enforce a specified number of CCAD user licenses out of total available. Please note, if not configured so, a CCAD instance by default gets all the available licenses at startup resulting in deployment of only one CCAD instance.

(4) If the number of requested licenses exceeds available, then only available licenses will be returned and enforced by a CCAD instance.

(5) A customer will still need to test CCAD performance (server and user browser response times) in their environment so as to plan how many CCAD instances they need to deploy, which and how many users need to use a particular CCAD instance and others.

(6) Since each CCAD instance will use a separate ECC Group Activity Event Feed connection, adequate ECC Group Activity Event Feed licenses will need to be provisioned separately from the total CCAD user licenses.

(7) CCAD Administrator will need to instruct a CCAD user to login to a particular CCAD instance on a particular server.

- Certified to work with ShoreTel Connect Contact Center ONSITE but not with Connect Contact Center CLOUD.
- Browser support: Microsoft Internet Explorer Edge browser on Windows 10 desktops as well as Apple Safari, Google Chrome and Mozilla Firefox browsers on Mac "Yosemite" and "El Capitan" OS X supported.

#### Fixes

- Intermittent Web page update problem with Safari and Chrome browsers on Mac OS X Yosemite.
- In a rare instance showing list of groups when configuring some reports threw error.
- In another rare instance out of memory error was received when connection terminated with ECC Event Feed while TCP receive was ongoing.

#### Changes

- Deployment on Windows 2003 server is no longer supported.
- Browsers on Windows XP are no longer supported.



### Version 3.9 -- May 28, 2014

- Qualified to be deployed on Microsoft IIS 8 and Windows Server 2012 provided that the ASP.NET 3.5 is enabled on the IIS.
- Fix: Handled a rare condition when Microsoft ASP.NET view state was intermittently being corrupted causing users to re-login to the CCAD.

# Version 3.8 -- February 10, 2014

- Certified to work with the ShoreTel Contact Center 9 release.
- In the CCAD Group Agents Report, additional columns can now be optionally configured to display the count of each kind of interaction (inbound ACD voice, outbound ACD voice, non-ACD voice, e-mail and chat) as well as total interactions currently being handled by an agent:



These counts correspond to the respective counts in the **Group Agents Report** of the ECC Agent Manager as the below screenshot shows:





These new columns are sortable like the other report columns.

Please note the following:

- Currently only the interaction counts can be displayed and NOT the details of each interaction.
- The interaction counts of an agent are displayed in the newly added columns only and NOT when hovering mouse over the agent.
- In case the agent is handling multiple interactions, the displayed agent state and time (in the available columns as well as when hovering mouse over the agent) follows the behavior of the Agent Manager's Brief and Group Agents Report. That is, the displayed agent state is actually the agent's current state in <u>one</u> of the active interactions as reported by the ECC core Event Feed. Typically the agent's state in the oldest ACD interaction (inbound voice, outbound voice, chat or e-mail) currently handled by the agent is shown as the agent's current state.
- **Fix**: E-mail address of sender not displaying as ANI for an E-mail ACD call. The e-mail address by the ECC Event Feed was sent enclosed in angle brackets as <*x*@*y.com*>. It was being interpreted as HTML tag by the CCAD Web page and was not being



displayed. Now the CCAD removes these angle brackets when displaying the ANI for Email ACD calls.

- **Browser support**: Microsoft Internet Explorer 11 browser on Windows (7, 8, 8.1) desktops as well as Apple Safari, Google Chrome and Mozilla Firefox browsers on Mac "Mavericks" OS X supported.
- Windows XP and Windows Server 2003 Compatibility: Note that Microsoft will announce End of Life for these operating systems as of April 8, 2014 (<u>http://www.microsoft.com/en-us/windows/enterprise/endofsupport.aspx</u>). While this CCAD Version 3.8 at the time of its release (Spring, 2014) continues to operate properly within these OS environments, ShoreTel cannot guarantee continued support. Should compatibility issues arise in the future, customers may need to upgrade their Windows desktop and server machines to newer versions in order to continue to enjoy the CCAD.

### Version 3.7 -- September 6, 2013

• In the Daily Group Report, three additional daily statistics panels can now be configured to be displayed: average ACD wait time, average ACD talk time and maximum ACD talk time:

Daily Group Report - Marketing 🛄 👻
Configure Group
Configure Panels Configure Thresholds
Statistics Panels
Calls Answered
Agents Active
Calls in Queue
Answer Rate
TSF
Avg Wait Time
Avg Talk Time
Max Talk Time
OK



Daily Group Repo	rt - Marketing				<b>.</b>
Calls	Answer 4	ed		Agents 1	s Active / 1
Calls ir	n Queue D	Ansv	vei 50°	r Rate %	Avg Wait 00:03:55
TSF 37%	Avg 00:02	Talk 2:18		Ма 00	x Talk :03:40

**Important**: These additional statistics, like the other statistics, take into account only inbound ACD voice calls not outbound ACD, e-mail or chat and are accumulated since midnight or the last CC server restart.

- When upgrading from the CCAD version 3.3 or earlier, the additional configuration step, as detailed below in the notes for the CCAD version 3.5, is required.
- Latest versions of the Google Chrome browser on Mac and Microsoft Windows are now supported. Specifically, at the time of this writing, Google Chrome browser versions 29.0.1547.65 for Mac and 29.0.1547.66 for Windows have been qualified to work with the CCAD. As in the case of the other supported browsers, JavaScript and cookies must be enabled in the Chrome browser.

### Version 3.6 -- July 3, 2013

• Daily Target Service Factor (TSF) statistics available in the Daily Group Report and Daily Brief Group Reports:

Daily Brief G	iroup R	eport							-
<u>Name</u> ▲	Queued	<u>Curr Max Wait</u>	<u>Max Wait</u>	Accepted	Abandoned	<u>Login</u>	Release	<u>ldle</u>	<u>TSF</u>
Sales-Group	0		00:00:14	2	2	2	1	1	100%
Support-Group	0		00:00:04	6	4	2	1	1	66%

#### 8/28/2017



Daily Group Report - Support	t-Group		-
Calls Answe 2	ered	Agents Active 1 / 2	ļ
Calls in Qu 0	eue	Answer Rate 33%	
	TSI 66%	F %	

**Important**: The daily TSF, just like the interval based TSF, is NOT calculated by the CCAD. It is calculated by the CC core Event Feed using the TSF calculation formula configured in the CC Director.

- The CCAD shows then the daily TSF "as is" as calculated and sent by the CC Event Feed. Also, this daily TSF is different from the interval-based TSF shown in the Group Report.
- **Fixed**: Occasionally unexpectedly large daily statistic values sent by the CC Event Feed were causing the CCAD to stop processing further events.
- When upgrading from the CCAD version 3.3 or earlier, the additional configuration step, as detailed below in the notes for the CCAD version 3.5, is required.

## Version 3.5 -- April 4, 2013

#### **Special Installation Instructions**

- If you have the 3.4 Alpha version or the 3.5 Beta version installed, you must uninstall it before upgrading.
- Required additional step when upgrading from previous CCAD versions (3.3 or earlier):

If the CCAD server is a Windows 2008 R2 server, from the IIS Manager open the Configuration Editor for the **WebAgentDashboard** virtual directory and then open the **providers** under **personalization** in the **system.web/webparts** section:



efault Web Site 🕨 WebAgentDashboard 🕨	
Configuration Editor	
Section: system web/webParts	From: Default Web Site Web AcentDachbear
	Hom. Default web site/webAgentbashboar
Deepest Path: MACHINE/WEBROOT/AI	PPHOST/Default Web Site/WebAgentDashboard
enableExport	False
personalization	
authorization	(Count=3)
defaultProvider	AccessPersonalizationProvider
providers	(Count=2)
uansionners	
providers	
Features View	

Select the **AccessPersonalizationProvider** in the shown Collection Editor. In the **Properties** bottom pane, change the **type** property to: STPS.ASPNETProvider.AccessPersonalizationProvider, STPSAccessProvider:

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Items:       Items:         name       type         AspNetSqlPersonalizationProvider       System.Web.UI.WebControls.WebParts.SqlPersonalizationProvider, System.Web, Version=2.0.0.0, Culture=neutral, Pu         AccessPersonalizationProvider       STPS.ASPNETProvider.AccessPersonalizationProvider, STPSAccessProvider         AccessPersonalizationProvider       STPS.ASPNETProvider.AccessPersonalizationProvider, STPSAccessProvider         Image: Stress S
name type     AspNetSqlPersonalizationProvider System.Web.UI.WebControls.WebParts.SqlPersonalizationProvider, System.Web, Version=2.0.0.0, Culture=neutral, Pu   AccessPersonalizationProvider STPS.ASPNETProvider.AccessPersonalizationProvider, STPSAccessProvider   AccessPersonalizationProvider STPS.ASPNETProvider.AccessPersonalizationProvider, STPSAccessProvider     AccessPersonalizationProvider Strps.ASPNETProvider.AccessPersonalizationProvider, STPSAccessPersonalizationProvider.AccessPersonalizationProvider.AccessPersonalizationProvider.AccessPersonalizationProvider.AccessPersonalizationProvider.AccessPersonalizationProvide
AspNetSqlPersonalizationProvider System.Web.UI.WebControls.WebParts.SqlPersonalizationProvider, System.Web, Version=2.0.0.0, Culture=neutral, Pu   AccessPersonalizationProvider STPS.ASPNETProvider.AccessPersonalizationProvider, STPSAccessProvider   Image: Strong Str
AccessPersonalizationProvider STPS.ASPNETProvider.AccessPersonalizationProvider, STPSAccessProvider
Image: Sample Site
Image: Sample Site
Image: Sample Site
Properties:
Image: Sample Site
Image: SampleSite
A ParticationName
Image: SampleSite
applicationName SampleSite
Properties:  applicationName SampleSite
applicationName SampleSite
Properties: applicationName SampleSite
Properties: applicationName SampleSite
Properties: applicationName SampleSite
Properties:         SampleSite
applicationName SampleSite
connectionStringName AccessFileName
name   CarcessPersonalizationProvider
type STPS.ASPNETProvider.AccessPersonalizationProvider, STPSAccessProvider
ype Jata Type string
da Phenonika

If the CCAD is installed on a Windows 2003 Server, you will need to edit the **Web.config** *manually*. Open the file in notepad and go to the **AccessPersonalizationProvider** key. Change the value of the **type** property to: **STPS.ASPNETProvider.AccessPersonalizationProvider**, **STPSAccessProvider**:



👂 Web.config - Notepad	- 🗆 י
File Edit Format View Help	
<pre></pre>	2
<anonymousidentification <br="" cookiename=".ASPXANONYMOUS" cookiepath="/" cookierequiressl="false" cookietimeout="100000" enabled="true">cookieSlidingExpiration="true" cookieProtection="None" domain=""/&gt;</anonymousidentification>	
<pre><weeparts></weeparts></pre>	
<pre><add accesspersonalizationprovider,="" name="AccessPersonalizationProvider" stpsaccesspr<="" td="" type="STPS.ASPNETProvider.AccessPersonalizationProvider, STPSAccessPr connectionStringName="><td>ovider"</td></add></pre>	ovider"
<pre>clocked reality verbs="enterSharedScope" roles="BUILTIN\Administrators"/&gt;</pre>	

Then make sure to save the file.

#### **New Product Features**

- Certified to work with the ShoreTel Contact Center 8 release.
- 2 more vertical zones are now available (making a total of 4) for organizing the reports in order to make best use of the screen real estate of widescreen monitors.

6	ShoreTel (	Contact Cente	er Agent Dashbo	ard - Windo	ows Internet Explorer				_ 8
C	urrent Page So	ope: Per-User	Show Shared View	Organize					θ
	Group Agen	ts Report		•	Daily Group Report [1] - Support-G	iroup -	Dept Performance Report - Customer Service -	Daily Group Report [2] - Sales-Gro	up
	Agent Bruce Wal	ID Ext Sta ker 4502 502 Ris	te Code DNIS A	ANI <u>Time</u> 22:09:59	Calls Answered	Agents Active	0%	Calls Answered	Agents Act
	Group Repo	rt - Support-G	Group	•	0	1 / 2		0	0 / 1
	C <sup>()</sup> Queued	© Max Wait	00:00:08	C <sup>0</sup> Aband 1	Calls in Queue	Answer Rate		Calls in Queue	Answer Ra
	Login	ACD	Release	Idle	0	0%		0	100%
	2	0	1	0					
		10	18F 10%						

If there are reports in all the 4 zones of the CCAD Web page, when viewing it using the mobile Safari browser on an iPad, it will be then required to swipe through the Web page to view all the reports. For example, reports in the first 2 zones will be visible first:

$\left[ \right]$	Carrier 🗢	4:12 PM		c	Google			100% 3	
	× ShoreTel Co	intact Center Age	nt Dashb	oard					+
	Group Agents Report	Group Repo	ort - Sup	port-Group					
	Agent         D         State=         Code         DNIS#         DNIS         ANI         Time           Succe Walker         4502         Ris         Out0Y0ff         1d 01:27:08         1d 01:27:08         00:013:31	ී Que 0	ued	00:	Max Wait 00:00	)	€9 Int I 00:0	Max Wait 00:58	
		Le	igin 2		ACD O		Rele 1	ase	
						™ 100%			
G		Daily Brief (	Group R	Report [1]					
P		Name	Queued	Curr Max Wait	Max Wait	Accepted +	Answered	Abandoned	Lo
		Sales-Group Support-Group	0		00:25:29 00:00:58	4	0	4 5	



Then swiping to the right will show the other reports in the next 2 zones:

Interpretation in the second secon	oard/default.as	зрх			C 600	gle				)
×	ShoreTel Conta	act Cente	r Agent Dashbo	ard					ſ	÷
Dept Performance Report - SalesSupport 🗟 -	Daily Brief (	Group F	Report [2]							
10%	Name •	Queued	Curr Max Wait	Max Wait	Accepted	Answered	Abandoned	Login 2	Release	<u>Idl</u>
	Customer SAT	0		00:00:00	Ő	Ő	0	Ő	ō	0

• A new tabular report named "Daily Brief Group Report" is available in the CCAD reports catalog:

CC Real Time Reports Catalog	Close	
Catalog		
Group Agents Report		
Group Report		
Dept Performance Report		
Daily Group Report		
Daily Brief Group Report		
Add to: Dashboard Zone Sh	ows daily statistics of C	C group(s)

This new report shows some common real-time and daily statistics of multiple groups. It also applies a group's thresholds as configured in the CC Director:

I	Daily Brief G	roup R	eport [1]								-
	Name 🔺	Queued	<u>Curr Max Wait</u>	Max Wait	Accepted	Answered	Abandoned	<u>Loqin</u>	Release	<u>ldle</u>	<u>ACD</u>
	Sales-Group	0		02:22:40	1	0	1	1	1	0	0
	Support-Group	1	00:00:19	00:00:58	4	0	3	2	2	0	0

• Internet Explorer 10 on Windows 8 desktops (and not tablets) is now supported:



Croatice															•
Group Agen	ts Repo	ort								•	Daily Group Report - \$	Support-Grou	ip.	- TSF - SalesSupport -	
Approx Walk	ID 5 4502 5 4501 5 4501 5	Ext <u>State</u> <u>Cod</u> 02 Out=Ris No Co 01 Ris No Co port-Group	e <u>ONISE</u> de de	DMS ANI	Time 00.42.14 4d 20.01.25						Calls Ans 0	wered	Agents Active 0 / 2	0%	
to Gue O	ued	€ <sup>9 Ma</sup> 00:0	ix Wait 00:00		C1 Int 00:0	Max Wait 00:00		CI A	band )		Calls in G 0	lueue	Answer Rate		Þ
	ogin 2	A	0		Role	xase 2			dile 0				• 10		
	-		•	TSF 100%											Ø
Daily Brief G	Froup R	eport		_			_			Ŧ					
Nane	Quesed	Carr Max Wall -	Max Wait	Accepted	Annesed	Abandoned	Login	Release	ktie A	ACD.					
Sales-Group City Utilities Silling Surfaulton	0	00.40:14	00.00.00 00.00.00 00.00.00	1 0 0	0	0	2 2 2	2 2 2 2	0	0					
Dispatch Accounting E-mail-Group	0		00.00.00 00.00.00 00.00.00	0	0	0	2 2 0	2 2 0	0	0					-
Support-Group Customer SAT Control Room	0		00.00.58	3 D 0	0	0	2 0 2	0 2	0	0 0					IJ
Conrelidge	0		00.90.00	0	0	Q	2	2	0	Ų					~~~~

• In the Group Agents Report, sort arrows are now displayed on each column (except the "Start Time") to indicate the sort direction (ascending or descending):

#### **Group Agents Report**

	<u>Aqent</u> ▲	<u>ID</u>	<u>Ext</u>	<u>State</u>	Code	DNIS	<u>ANI</u>	<u>Time</u>
8	Bruce Walker	4502	502	ACD		SalesDNIS	501	00:03:28
6	John Ford	4501	501	Out				00:03:34

#### Group Agents Report

	Agent	ID	<u>Ext</u>	<u>State</u>	Code	DNIS	<u>ANI</u>	<u>Time</u> ▲
6	Bruce Walker	4502	502	ACD		SalesDNIS	501	00:04:31
6	John Ford	4501	501	Out				00:04:37

- Apple Safari and Mozilla FireFox browsers on Mac OS X 10.8 "Mountain Lion" now supported.
- More granular diagnostic logging facility added. Specifically, separate log files and log levels for the application, CC Event Feed messages and MS Access Database updates can be configured.
- JavaScript files minified to reduce initial data transfer.
- Fix: Resetting the CCAD not deleting some reports and giving error that a report is already present.
- Fix: Intermittent Microsoft Access Database errors causing per user CCAD layout not being saved and causing redirection to the Start page.

### Version 3.3 -- July 17, 2012

• Fix: Group Report not applying the group's threshold for the Calls Queued panel.



### Version 3.2 -- June 26, 2012

• Fix: Daily Group Report applying the threshold for the Calls Queued panel when initially added with the default zero value for the "yellow" and "red" thresholds.

#### Version 3.1 -- June 21, 2012

• A new group report, called Daily Group Report, is now available to show some group statistics for the day:



A CCAD administrator can optionally configure thresholds only for the **Calls Queued** panel in a Daily Group Report:

Daily Group Report - Sales-Group 👻
Configure Group
Configure Panels
Configure Thresholds
Thresholds
Calls in Queue
Enable
Low 1 High 3
ок

The **Calls Queued** panel will then be color-coded yellow or red accordingly. This threshold for the current count of queued calls is unrelated to the queued calls threshold for a group that is configurable in the CC Director.

• Added an optional configuration setting to disable the default of 8 hours maximum session time and so allowing to have "always on" user sessions. If configured, it will apply to ALL



user sessions and a CCAD user session will not expire after 8 hours or require renewing the session 30 minutes before that. But, a user session might still be terminated in either of the following cases:

- The user closes the CCAD browser window.
- The user's desktop machine/iPad is shut down or disconnected from the network.
- The Microsoft Internet Information Server (IIS) Application Pool hosting the CCAD web site is recycled or restarted, either automatically at scheduled times or manually.
- The CCAD server machine itself is shut down or disconnected from the network.
- Added an optional configuration setting to launch CCAD in a full screen browser window. Please not the following regarding this functionality:

### Version 3.0 -- December 22, 2011

- Qualified with the ShoreTel Contact Center 7 release.
- Qualified for deployment on Windows 2008 R2 (64 bit) server and documented the server preparation steps.
- The CCAD can be deployed on the ShoreTel HQ/Director server as long as conditions (1) and (2) below are met. Otherwise, the CCAD should be deployed to a completely dedicated Windows server (that is, a server on which no other ShoreTel software has been installed.)

(1) The ShoreTel system is deployed in a "medium", "large" or "very large" configuration as detailed in the **ShoreTel Planning and Installation Guide**. Please refer that guide for the ShoreTel HQ server hardware recommendations for the respective ShoreTel deployments.

(2) There are a maximum of 10 concurrent CCAD users

- Safari browser on Apple Mac OS now supported. For Operational Considerations when using browsers other than Microsoft Internet Explorer (IE), please refer to the CCAD Installation and Configuration Guide.
- Mobile Safari browser on Apple iPad now supported:



iPad 주 12:5	2 PM					100% 🛒
Image: the two set of two set	ault.aspx					
Cananice					θ	
Group Agents Report -	Group Rep	ort - Sales-Gr	oup	-		
Agent ID Ext State Starttime Code DNIS# DNIS ANI Time	to Queued	👏 Max Walt	🔮 Int Max Walt	to Aband وع		
Bruce Walker 4502 502 Rts 03:15:31 PM No Code 00:53:37 John Ford 4501 601 601 601 04 11:39:49 AN 04:30:19	0	00:00:00	00:00:00	0		
	Login	ACD	Release	Idle		
	1	0	1	0		
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						6

Please note the following operational considerations:

- iPad should have firmware version iOS 4.3.2 or higher. The latest available firmware update is strongly recommended.
- Testing has been done with iPad's Safari browser only and not with any other mobile browser application available for iPad.
- Testing has been done with iPad on a WiFi connection only and not with a 3G/GPRS Edge data network. Should CCAD be used from iPad via 3G/Edge network, it will incur data charges as when accessing any other web page.
- Rendering of the CCAD web page and execution of its scripts are subject to the resource constraints of the mobile Safari browser on the iPad.
- To use CCAD from the iPad's Safari browser, the CCAD server must be accessible from the corporate network via corporate WiFi or VPN as appropriate.
- As drag and drop of reports works for Microsoft Internet Explorer (IE) browser only, for the other supported browsers, added a way for normal CCAD users to edit a report's layout to change its position within a zone and/or move it to a different zone.
- Group Agents Report enhancements:
  - New column available to show agent's state as a running timer.

Gr	Group Agents Report													
	Agent	ID	<u>Ext</u>	<u>State</u>	Code	DNIS#	<u>DNIS</u>	ANI	<u>Time</u>					
	John Ford	4501	501	RIs	No Code				00:18:36					
	Bruce Walker	4502	502	Idle					01:09:40					
_			_											

#### Group Report [3] - E-mail-Group

 If an agent is logged in to his/her personal agent queue in addition to a group part of the report's group filter, the agent's logged in groups will show "Personal Agent Queue" as one of the groups on mouse hover as the screenshot below shows:



G	ro	up Ag	ents	Rep	oort	[1]					
Γ		Age	<u>nt</u>	<u>ID</u>	<u>Ext</u>	<u>State</u>	Start time	Code	DNIS#	<u>ANI</u>	<u>Time</u>
	0	John Fo	rd	4501	501	Idle	02:10:02 PM				00:04:24
	0	B									00:05:08
		Joh	n Foi	ď							
		<u>Tim</u> 00:	<u>e in</u> 04:24	<u>state</u>							
		<u>Login groups</u> E-mail Group, <mark>Personal Agent Queue,</mark> Sales, Support, Test Group									

- The maximum display length of the ANI column is now dynamically determined by the Caller ID for voice ACD calls received so far and includes the + prefix if present. Similarly, the maximum display length of the DNIS number column is determined by the CC DNIS numbers for the voice ACD calls received so far.
- A new report called **Department Performance Report** is now available. This report is intended for a set of CC groups that might logically form a "department" for a customer. It measures the daily percentage of successful calls to such a department i.e. those calls that were eventually answered, irrespective of whether they overflowed to separate groups or not in that department (not to separate departments).

Dept Performance Report - Helpline -
50%

The department's performance of answered calls is calculated using the formula:

#### <ACD calls answered> / (<ACD calls accepted - ACD calls overflowed in) \* 100

Please note following regarding this new report:

- Contact Center 6 GA4 (build 503.4.2806 or higher) is a pre-requisite for using these new reports.
- A "Department" is a CCAD artifact only. So, this report is not related to any of the real time report available in the CC Agent Manager.
- Each such report will need to be configured with a unique set of CC groups for that department. So, a particular CC group can be part of only ONE department.
- Calls should not overflow from the groups in one department to the groups in another department for the performance to be calculated correctly using the above formula.
- A department's threshold, if configured in the CCAD as the below screenshot shows, is totally different from thresholds configured for the CC groups (that comprise the Department) in the CC Director.



Dept Performance Report - Helpline 👻									
Configure									
Department details									
Name: Helpline									
Groups									
O Select all									
C Clear all									
Test Group2									
E-mail-Group									
☑ Sales-Group									
Support-Group									
-Warning									
Low 50 % High 33 %									
ок									

- The report accumulates data from 12 AM onwards for the day, or from the time of the last Contact Center server restart, to calculate a department's performance.
- Fix for scroll bar not showing reliably in Mozilla FireFox browser.
- Other memory optimizations and performance improvements.

### Version 2.6 -- September 27, 2010

- Increased TCP/IP socket receive buffer size for handling bursts of large Contact Center event feed JSON messages in case of high system load.
- Streamlined upgrade process. It is no longer required to uninstall CCAD first. Running the new install set will now automatically upgrade the CCAD binaries while saving the entire configuration and existing reports.
- Various other optimizations w.r.t. AJAX update and Contact Center event feed subscriptions.

### Version 2.3 -- July 17, 2010

First release.