



#### Cisco Unified Contact Center Express



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#### **Agenda**



- Cisco Unified Contact Center Express Introduction
- 2. Architecture Overview
- 3. Email & Web Interaction Managers
- 4. Workforce and Quality Management
- 5. UCCX 7.0 New Features

# Cisco Unified Contact Center Express Introduction



#### **Cisco Unified Contact Center Express** CC application, All In One BOX



#### **Cisco Contact Center Express**

A Contact-Center-in-a-Box

Inbound/Outbound Voice solution can fit on one box

Fully integrated ACD, Desktops, CTI & IVR

Integrated Outbound, Email, Web/Chat, Quality Management and Workforce Management options

Real-Time and Historical Reporting

- 1-300 agent highly available inbound voice (actual deployment size varies depending on features required)
- Easy to use CTI with CRM and 3<sup>rd</sup> party applications
- Supports Cisco Unified Communications Manager and Communications Manager Express
- Flexible Virtual Contact Center

Agents and supervisors can be located at any site on a Cisco IP Communications WAN or on any ISP DSL or Cable modem connection at home

Three packages for flexible price/performance options





### Easy to Deploy, Easy to Use **Integrated Self Service**

Self-service Web and IVR systems drive down the costs of providing customers the information they are looking for....



- Easy, cost-effective CTI solution
  - Significant savings when compared to traditional CTI solutions
- High Availability cluster architecture with automatic failover for mission critical deployments
- Integrated SELF-SERVICE
  - Express has a fully integrated self service component in Premium
  - Order-of-magnitude cost savings over agent based contact management
- Complete, enterprise wide scalable solution with Cisco Unified Customer Interaction Network

#### **Unified Contact Center Express Options**

#### 1. ACD

Simple groups; Conditional routing; custom variables

Skill/Competency groups; Priority Queuing

Priority (data-driven) routing with both Enterprise DBMS and XML data sources

Premium templates and custom historical reporting

#### 2. Desktop

Premium Cisco Agent Desktop; Enhanced Cisco IP Phone Agent

Premium Agent E-Mail

Premium Blended Outbound Dialer

Enhanced Cisco Supervisor Desktop w/ real-time reports

Desktop workflows and custom action keys

On demand and event driven recording (agents and supervisors)

#### CTI DBMS and XML data sources

Simple screen pop of ANI/DNIS, customer entered data;

Third-party application screen pop

JAVA integration

#### IVR Prompt & Collect plus automated IVR Self Service applications

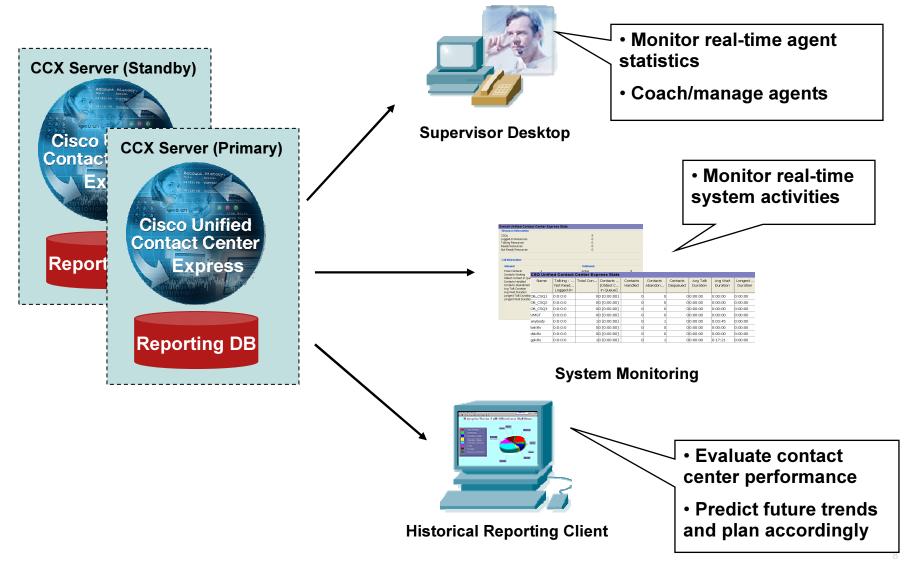
Queue point, custom messaging, prompts, collect (DTMF)

Database integration; real-time notification; HTTP Triggers (invoke workflow from web page)

VXML (DTMF & ASR), Optional ASR and TTS



### **Unified Contact Center Express 5.0(1) Reporting Architecture**



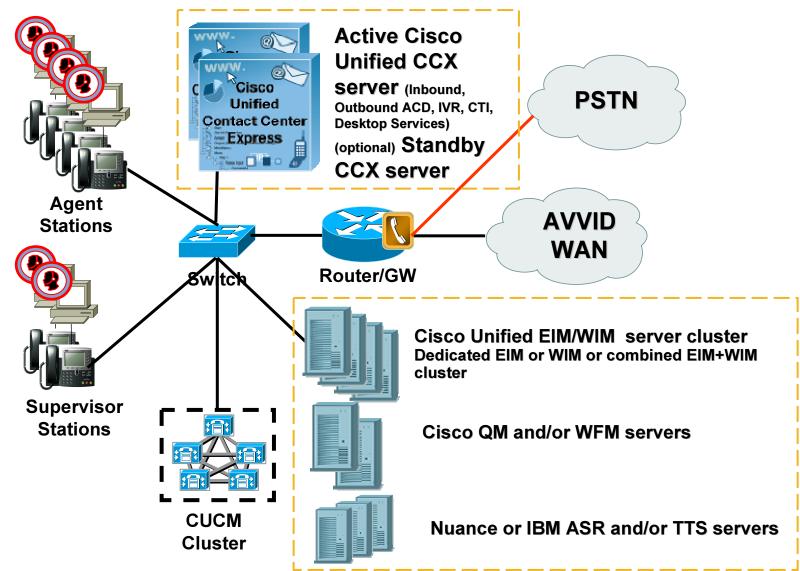
### **Cisco Unified Contact Center Express Vs. Enterprise**

	Unified Contact Center Express	Unified Contact Center Enterprise	
Scalability	Maximum 300 agent positions, 32 supervisors	Maximum of 8000 agents or supervisors	
Redundancy	High Availability; Mirrored warm standby with load balancing; Automatic failover; No HA over the WAN	Carrier class reliability with distributed redundancy	
Virtual Contact Center	Only with UCM centralized deployment model (single UCM cluster)	Distributed UCM deployment model (many UCM clusters)	
Features	Fewer, less powerful features (e.g. no predictive outbound, no universal queue)	More features with greater sophistication and depth	
Ability to integrate CRM and other applications	Simple, low cost key stroke emulation with any MS Windows application; HTTP for browser based applications; Socket Level Protocol for tight custom integrations with CCX	Powerful C++, Java, .NET development kits to enable custom agent desktops	

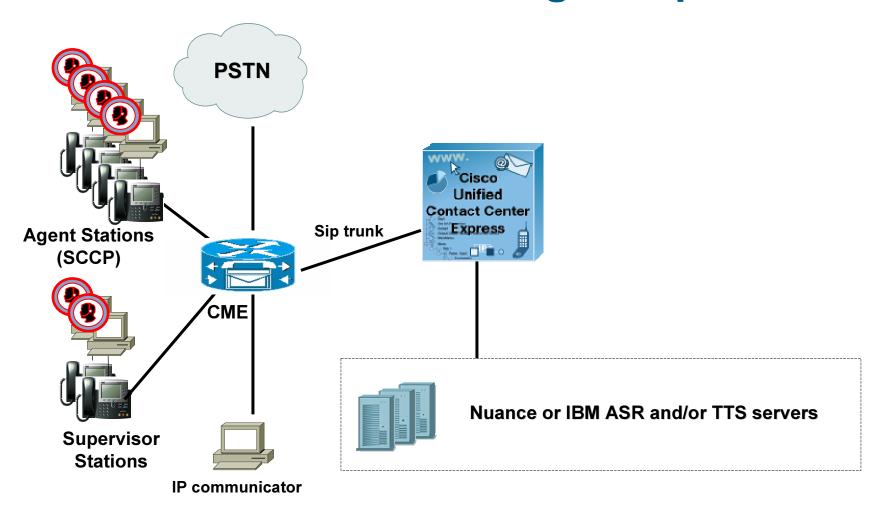
#### Architecture Overview



# Unified Contact Center Express with Unified Communications Manager



### **Unified Contact Center Express** with Communications Manager Express



### Unified Contact Center Express Max Capacities Support (Inbound Only with HA)

	Unified CCX (with CCM 7.0/6.1)			СМЕ	
Server Type	7845	7835	7825	7816	78xx
Agents	300	150	100	75	50
ВНСА	4000	2000	2000	2000	1000
IVR Ports	300	150	100	75	50
ASR Ports	100	50	50	50	25
TTS Ports	160	40	40	40	25
VXML Ports	80	40	40	40	25
Contact Service Queues	150	25	25	25	50
Skills	150	150	150	150	150
Supervisors	32	15	10	8	10
Record/monitor sessions	64	32	32	32	32
HR sessions (operating hrs)	16	10	10	10	2

# E-Mail and Web Interaction Managers

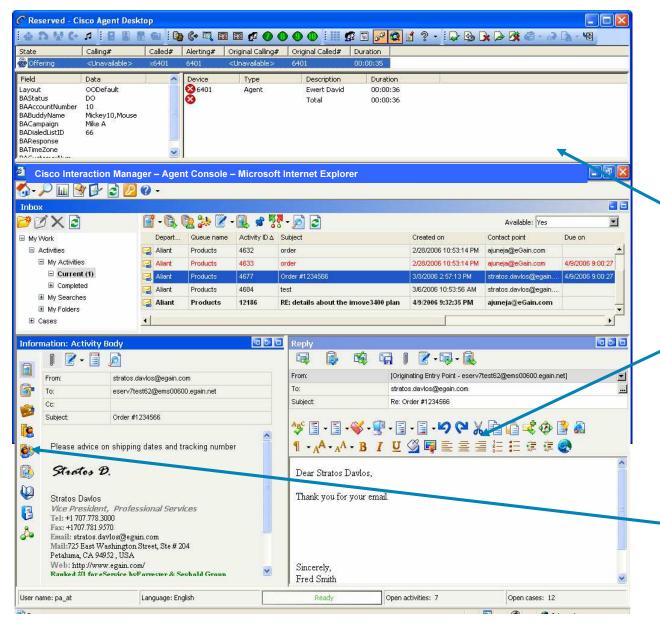


# How does Cisco Unified E-Mail Interaction Manager Work?

When a customer email or Web form inquiry is received, Unified E-Mail Interaction Manager:

- Can send an acknowledgement with an expected response time
- 2. Analyze the content of the email, and send an autoresponse from the knowledge base
- 3. Route the email to the best resource to handle it
- 4. Suggest articles from the knowledge base for the agent to insert into the response
- 5. Provide templates and macros to enable quick, consistent responses
- 6. Providing reporting to monitor your contact center

#### E-Mail Interaction Manager Agent Desktop



E-Mail and Web Interaction Manager share common desktop

Both run in the Cisco Agent Desktop embedded browser

Visual cues for overdue tasks

Red if awaiting input

Suggested Responses

**Bookmarks** 

Spellcheck

Rich HTML Editing

Knowledgebase

**Customer History** 

**External Links** 

### **How does Cisco Unified Web Interaction** Manager Work?

When a customer requests live help from the web, Unified Web Interaction Manager provides text chat along with web page sharing

Information may be easily gathered on web site

Reduce handle time spent getting information

Use to ensure correct routing

Present to the agent

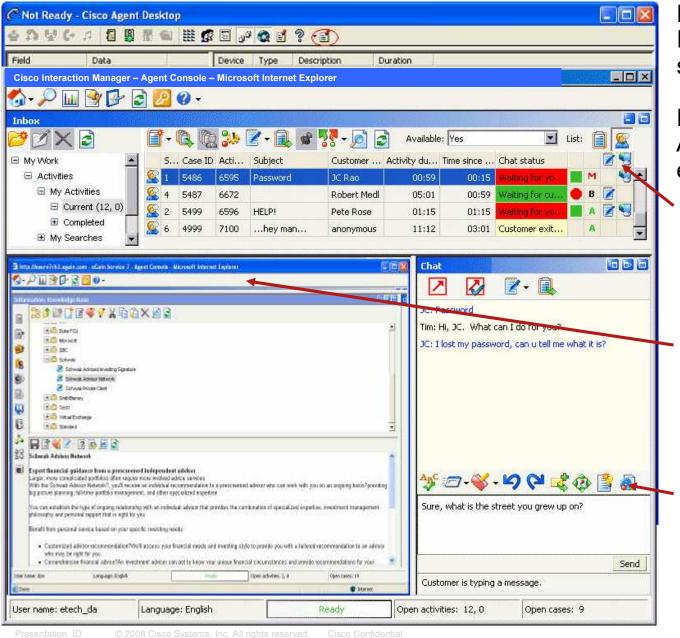
Once connected, agent and customer can share web pages while discussing issue via text chat

Answer question faster

Encourage self-service by teaching/helping customer to use web site

- 3. Integrated Knowledge base allows agents to respond quickly. Consistent response, regardless of which agent handled task.
- Agent may work on multiple chat sessions at the same time.

#### **Web Interaction Manger Agent Desktop**



E-Mail and Web Interaction Manager share common desktop

Both run in the Cisco Agent Desktop embedded browser

Multiple simultaneous chat sessions

Red if awaiting input

Push web pages

Knowledgebase

**Customer History** 

**External Links** 

Frequently-used responses

Spell Check

# Workforce and Quality Management



#### If Last Week's Schedule Looks Like This

(Name)	Monday	VIS Tuesday Today	Wednesday	
Adam Wong	xxx	9:00 AM - 3:00 PM	12:00 PM - 6:00 PM	
Amber Koening	9:00 AM - 3:00 PM	9:00 AM - 3:00 PM	9:00 AM - 200 PM	
Berta Alvarez	No phones -7 training		12:00 PM - 6:00 PM	
Brianna Marsole	12:00 PM - 6:00 PM	9:00 AM - 3:00 PM	9:00 AM - 3:00 PM	
Caterina Gorzekova	9:00 AM - 3:00 PM	12:00 PM - 6:00 PM	6:00 AM - 12:00 PM	
Darren Thomas	1031200 PM - 8:50 PM	6:00 AM - 12:00 PM	9:00 AM - 3:00 PM	
DeWayne Jackson	12:00 PM - 6:00 PM		12:00 PM 6:00 PM	
Ismerelda Sanchez	9:00 A yo!	3:00 PM	7	
Ivonne Baez	Tues	3.00 PIVI	1	
Jennifer Harris-Lee	6:00 AM with min	and some ?:00 PM	6:00 AM - 12:00 PM	
Juan Rodriguez	0.00 ANA ith	00 DM	12:00 PM - 6:00 PM	
Maria Johnson	to fory	final had		
Nicholi Supressia	6:00 AM - i at 3 pr	n. Shanks OPM	6:00 AM - 12:00 PM	
Rosario Valdez	training	training	training	
Terisita Banderado	9:00 AM - 3:00 PM	XXX	XXX	

You Just Might Need Workforce Management

#### If Your Agents Often Answer Calls Like This





You Just Might Need Quality Management

#### **Workforce Management: Provide Consistent Customer Service Levels**

- Customer satisfaction is directly tied to variability of queuing time
- Insure appropriate agent staffing to match the contact volume and skills required
- Too few agents
  - -Hold time rises, customers frustrated, hang up
  - -Customer less receptive to revenue generation programs
  - -and service levels drop below corporate goals
- Too many agents
  - -Increases staffing costs
  - Lowers contact quality and agent satisfaction

#### **Presenting Workforce Management**

- Sophisticated contact forecasting tools combining the art and science of predicting contact volume and distribution
- Workforce scheduling to meet service goals with the constraints of your workforce's skills and availability
- Agent and supervisor interfaces providing intraday information and proactive tools
- Adapts to multiple work groups with different locations, under different rules and in various time zones
- Accommodates other tasks like multi media contacts, training, group meetings, etcetera
- Integrated with Cisco Unified Contact Center
- Part of Cisco's family of customer contact solutions



### **Quality Management: Businesses Need to Monitor Customer Contacts**

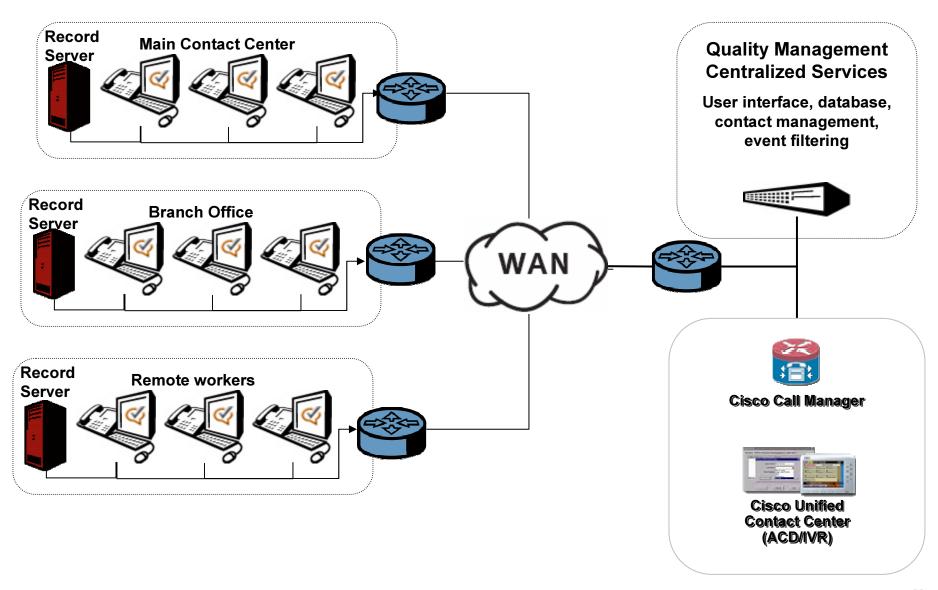
- Insure consistent high quality customer contacts
  - -Continuously monitor agent skills 7x24
  - Identify training needs and effectiveness
  - -Across today's virtual call centers main contact center, branch offices, retail locations, home agents
- Enable all customer contacts to be reviewed instantly for dispute resolution and to meet regulatory requirements
  - -Record up to 100% of customer interactions
  - -Rapid archival search and retrieval from anywhere
  - -Secure, authenticated, domain restricted access

#### **Presenting Quality Management**

- Unique interactive edge recording architecture
  - -Software service captures digital voice
- Intuitive, role specific, user interface
- Simple workflow based recording administration
- Fully customizable evaluation criteria
- Unified user administration with Cisco Unified Contact Center
- Improves the effectiveness and productivity of your contact center
- Part of a comprehensive customer contact application suite



#### **How Does Interactive Edge Recording Work?**

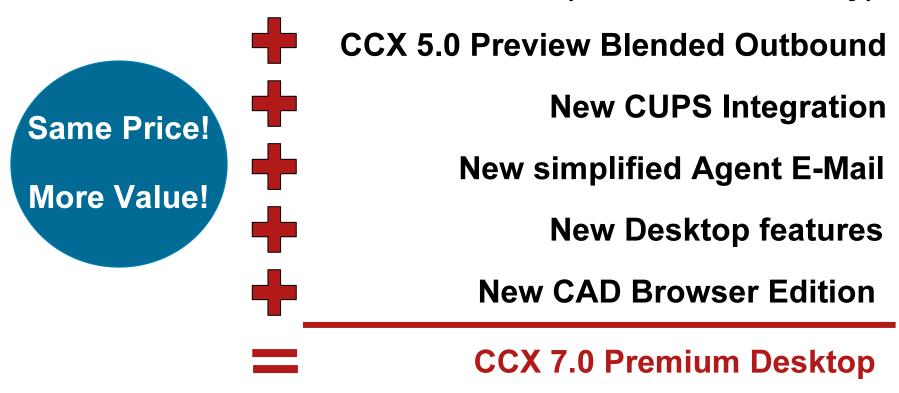


UCCX 7.0 New Features



#### **Unified Contact Center Express 7.0 Premium**

**CCX 5.0 Premium (inbound voice only)** 



#### **Additional Cost Options:**

WFO: Quality, Advanced Quality & Workforce Managers

**CIM**: E-Mail and Web Interaction Managers

#### **Overview and Version Compatibility**

- CCX 7.0 is the successor to CCX 5.0.
- Runs on Windows 2003.
- First Customer Ship in Aug 2008
- Supports upgrade from CCX 4.5, 5.0(1), 5.0(2).
- Unified CM 6.1, CM 7.0
- CME 7.0
- UCCE / ICME Version 7.2, 7.5
- CSA -> Version 5.x or later
- CiscoWorks Campus Mgr 4.X
- CUOM 2.X



#### **Cisco Agent Desktop Core Capabilities**

Agent State & Call Control

Collaboration & Presence

CRM & 3<sup>rd</sup> Party Application Integration



Configurable Work Flows

Outbound Support



Real-time
Displays & Alerts

Monitoring & Recording

Integrated
Agent E-Mail

All work together in fully-packaged and configurable composite application.

### Unified Contact Center Express Blended Preview Outbound

- Proactive communications for Preview Dialer based Campaigns
- 2. Merges inbound and outbound blending for contact centers

Integrated component of Cisco Agent Desktop

3. Support for new FCC/FTC, State and Federal Regulatory requirements





- Easy to use standards-based tools to manage contact lists and improve contact center productivity
- Skill groups run dedicated or blended
- Screen Pop via CAD task buttons
- Ensures agent available prior to placing the call
- Agent buttons to accept, skip, reject the previewed call

#### **Cisco IP Phone Agent**

1. Agent State Control

2.Caller Data

3. Queue Statistics

4. Hot Seating via **Extension Mobility** 

5. Work Wrap-Up Codes\*#

6.Agent Initiated Recording\*



Skill

SK7710

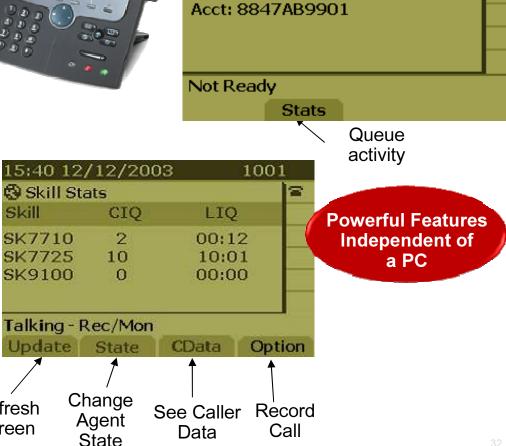
SK7725

SK9100

Update

Refresh

screen

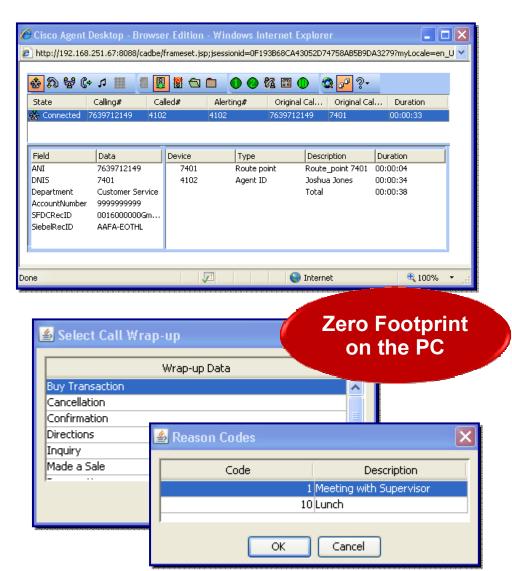


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<sup>\*</sup> Enhanced and Premium only # Express releases 5.0 and 7.0 only

## **Cisco Agent Desktop Browser Edition**





- 1.Browser Edition client can operate on Windows and Linux operating systems
  - Firefox and Internet Explorer
- 2.Support Reason / Wrap-Up Codes
- 3.Coordinated screens pops via http into external browser

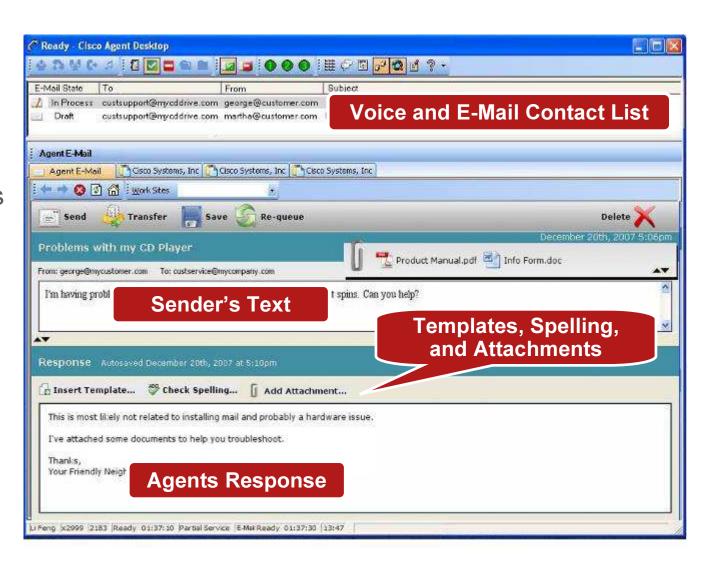
#### **Agent E-Mail**

- Included in Premium
- Entry-level email solution
- Addresses market that need contact-center email management but does not require an extensive set of features
- Support MS Exchange 2003/2007
- Provides email distribution, queuing, management, reporting
- Integrated with CAD, CSD and CDA



#### **Agent E-Mail**

- 1. Provides a core feature set for managing contact center e-mails
- 2. Distributes e-mails to agents
- 3. Sends responses from the contact center to the customers
- 4. Reports on e-mail activity.



### **Agent E-Mail**Voice ACD and E-Mail States



- 1. Agents mix and match voice and e-mail states as desired
- 2. If voice state is "Ready," then e-mail processing can be interrupted by an ACD voice call
  - Desktop focus automatically changes to voice display
  - CAD auto saves e-Mail to "draft" and places agent in Agent E-Mail "Not Ready" state
- 3. Agent can resume E-Mail processing at any time
- 4. CAD accurately tracks agents' state

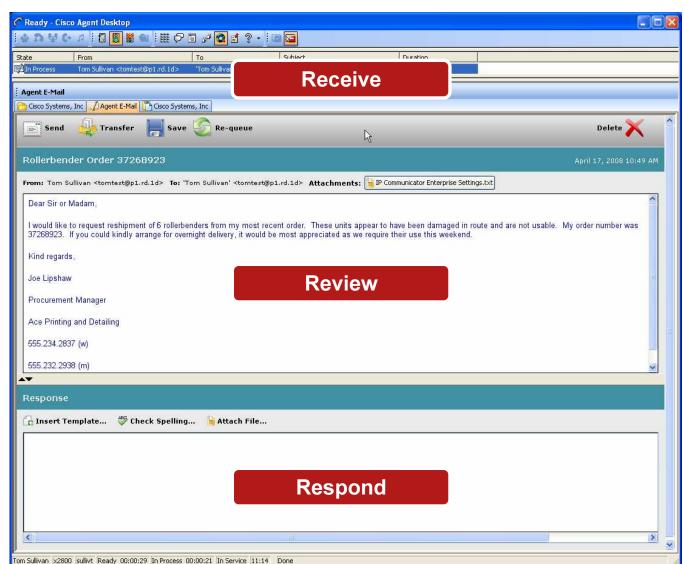
### **Agent E-Mail Processing E-Mail**

#### 1.Agents can:

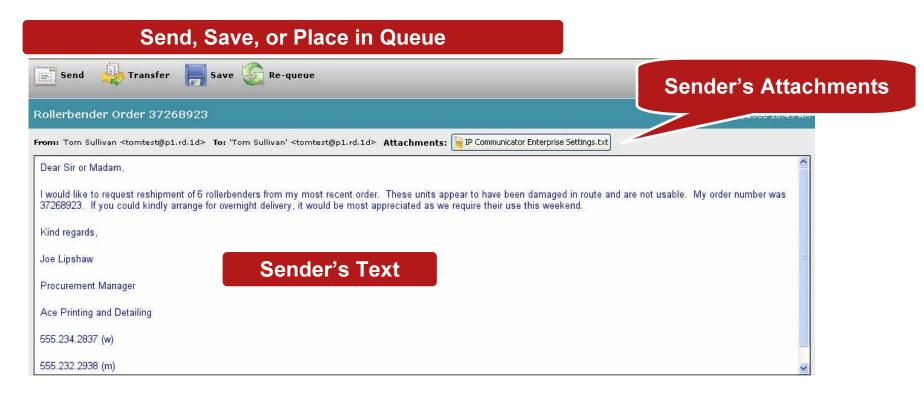
Receive one or multiple e-mail contacts

Review each email's content and attachments

Respond with a combination of templates and composed material.

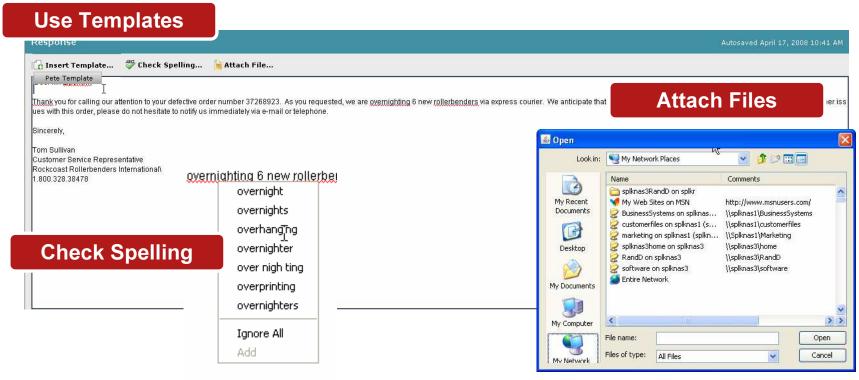


### **Agent E-Mail** Reviewing E-Mail



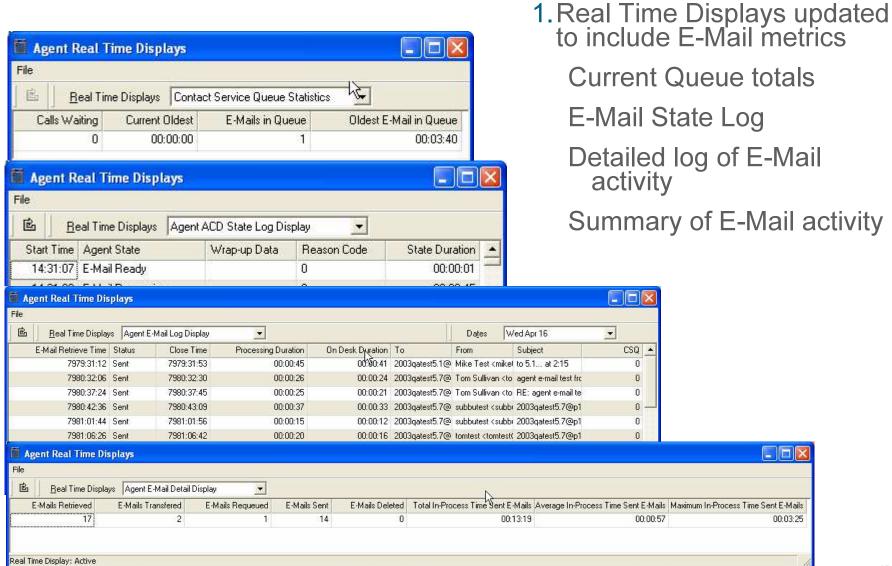
- 1. The E-Mail content appears in HTML
- 2. The agent can transfer to a more appropriate queue or transfer back to the existing queue.
- 3. E-mail's attachments are easily accessible

#### Agent E-Mail **Composing E-Mail Response**



- 1. Customer defined templates can be inserted throughout the response
- 2. Agents see and correct misspellings while typing text\*
- 3. Agents can attach multiple files as necessary

### **Agent E-Mail Agent E-Mail Reports**



### **Agent E-Mail**

#### **Cisco Supervisor Desktop**



New Integrated E-Mail Real Time Reports

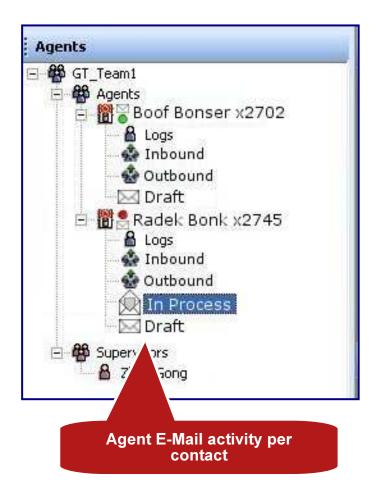
E-Mail CSQ – Team Summary / Summary

(displays e-mails volume by queue)

E-Mail CSQ - Detail

(displays agent-by-agent breakdown of e-mails volume by queue)

# **Agent E-Mail**View Agent Activity on CSD



 Enhanced and New Reports provide Supervisor visibility to agent's E-Mail activity Agent - Team Summary

(total e-mails presented and responded to by the team)

Agent - Team State

(agent by agent e-mail state for the team)

Agent – Agent vs. Team Summary (includes e-mail statistics for agent and team)

Agent Contact – E-Mail

(New Report that displays header information of draft and processed agent e-mails.)

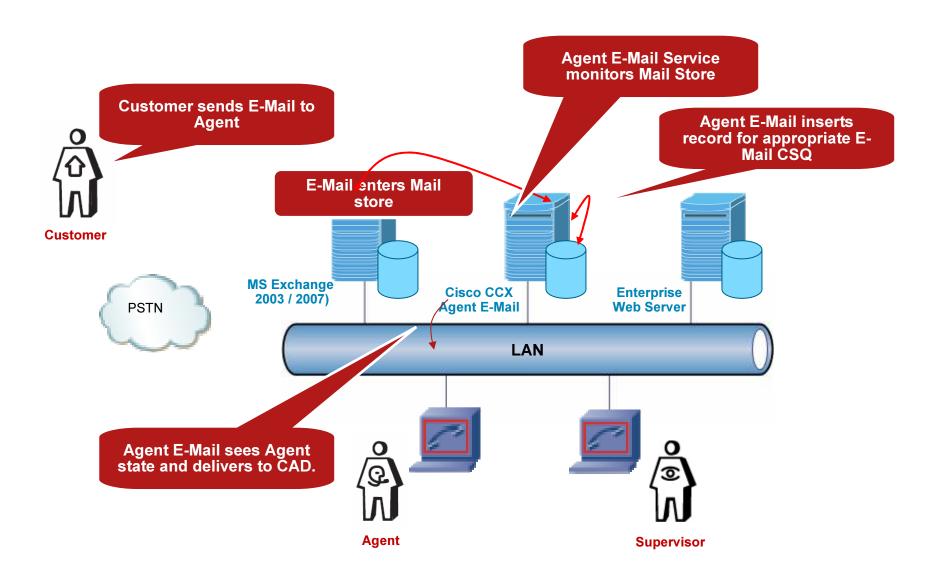
Agent Logs – State

(includes agent's e-mail states commingled with voice states.)

Agent Logs - E-Mail

(New Report that displays a record of the e-mails that the agent retrieved)

## Agent E-Mail Architecture

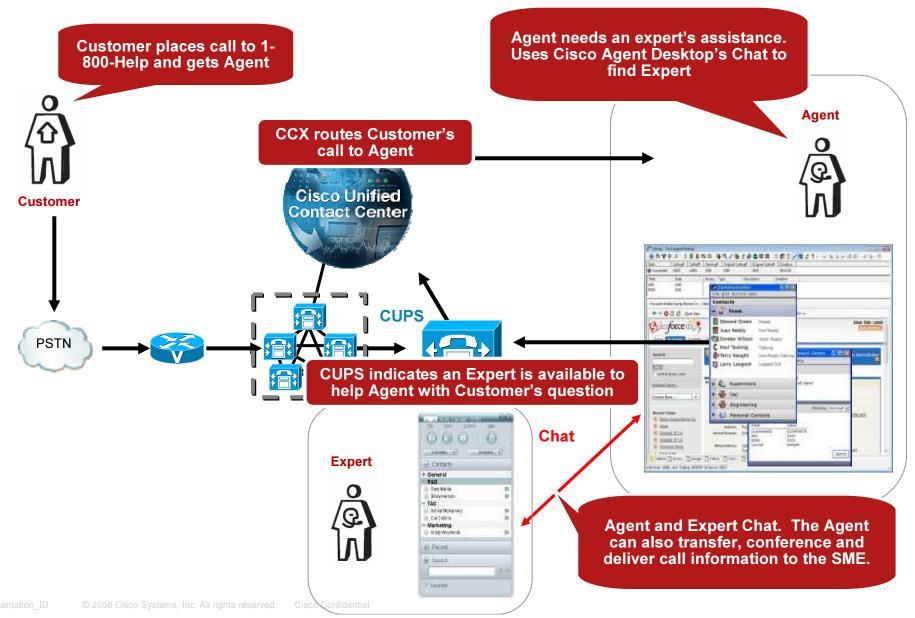


### **Presence Integration**

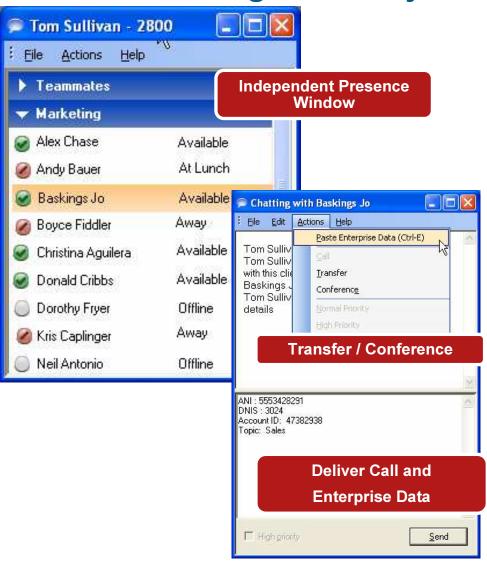
- CAD is integrated with Cisco Unified Presence (CUP)
- Included in all packages
- Allows agents to chat with subject matter experts (SMEs)
- Facilitates transfer and conference to SMEs
- Facilitates transfer of enterprise data



## **CUP Integration Typical Use-Case Scenario**



# **CUP Integration Communicating with Subject Matter Experts**



- 1. Agents and Supervisors see "Subject Matter Experts" (SMEs) who use Cisco Unified Presence Communicator (CUPC).
- 2. Agents can initiate chat sessions with SMEs
- 3. Administrators control visibility of contacts
- 4. Presence selection window is independent and updated with the latest Agent CTI state and SME Presence State.

## Cisco Contact Center Express ... A Complete Solution for ALL Contact Center Needs



- **Voice**: both inbound and outbound voice
- Agent Email: Entry Level email solution (Premium option)
- Presence: Allows agents to easly find Experts. Facilitates chat, conference and transfer to SMEs
- Email and Web: Comprehensive email and web collaboration (Premium option)
- Three packages to fit your needs today and to provide growth for tomorrow
- Support for Cisco Unified
   Communications Manager and
   Communications Manager Express

