



## Component Protocols and APIs

This chapter lists the protocols and call control application program interfaces (APIs) that are supported by various Cisco Unified Communications components.

- [Call Control Signaling Protocols, page 1](#)
- [Cisco Unified Communications Application Program Interfaces, page 2](#)

## Call Control Signaling Protocols

Cisco Collaboration components support an array of call control signaling protocols. The following table shows the call control signaling protocols that are supported by each component.

**Table 1: Call Control Signaling Protocol Support**

	DPNSS	H.320	H.323	ISDN	MGCP	SCCP	SIP	QSIG	T1 CAS	IPv6
Unified CM	x		x	x	x	x	x	x <sup>1</sup>	x	x
Unified CCX			x			x	x			
Cisco Business Edition	x		x	x	x	x	x	x	x	
Unified CCE			x			x	x			
Cisco Emergency Responder						x	x			
Cisco Unified IP Phones						x	x			x
Cisco Unified MeetingPlace			x				x			

	DPNSS	H.320	H.323	ISDN	MGCP	SCCP	SIP	OSIG	T1 CAS	IPv6
Unified Personal Communicator							X			
Unified SRST			X			X	X			
Cisco IP Communicator						X	X			
Cisco IP Communicator						X	X			
Cisco Unity Connection						X	X			X
Cisco Unity Express							X			
Cisco Unified SIP Proxy							X			
Gateways	X	X	X	X	X	X <sup>2</sup>	X	X	X	X
Cisco TelePresence VCS			X	X			X			X

<sup>1</sup> Unified CM does not support QSIG protocol directly, but only through a MGCP gateway. In such cases Unified CM also supports DPNSS, ISDN, and T1 CAS protocols.

<sup>2</sup> VG248 and VG224 supports SCCP. ISR platforms can also register their FXS ports to Cisco Unified Communication Manager through SCCP.

## Cisco Unified Communications Application Program Interfaces

Cisco Unified Communications Application Programming Interfaces (APIs) provide you with the flexibility to customize the capabilities of many Cisco Collaboration components.

The following table shows the call control signaling APIs that are supported by each component.

**Table 2: Cisco Unified Communications Application Programming Interfaces**

	AXL	CTI-QBE	HTTP	IMAP	JTAPI	LDAP	MRCP	SNMP	SOAP	SQL	TAPI	TFTP	VPIM	VXML	XML
Emergency Responder			X					X			X				
Unified CM	X	X	X		X	X		X	X	X	X	X			X

	AXL	CTI-QBE	HTTP	IMAP	JTAPI	LDAP	MCP	SMP	SOAP	SQL	TAPI	TFTP	VPIM	VXML	XVL
Unified CME	x		x					x	x		x	x		x	x
Cisco BE	x	x	x	x	x	x		x	x	x	x	x	x		
Unified CCE		x	x		x	x		x <sup>3</sup>		x					
Unified CCX			x		x	x	x			x				x	
Cisco Unified IP Phones			x									x			x
Unified Meeting-Place			x			x		x	x <sup>4</sup>	x					x <sup>5</sup>
Unified Personal Communicator		x	x	x		x			x			x			
Cisco Unity Connection	x		x	x		x		x		x			x		
Unity Express		x	x	x <sup>6</sup>	x			x			x	x	x		
Gateways															x
Cisco TelePresence VCS			x			x		x							x

<sup>3</sup> Supported in Windows platforms.

<sup>4</sup> Support between Video Integration and Video Admin

<sup>5</sup> Cisco Unified Meeting Place supports XML between Video Integration and Video Admin and between Video Admin and MCU

<sup>6</sup> Cisco Unity Express is not fully IMAP compliant. IMAP integration is supported only for Outlook, Outlook Express, Lotus Notes and Entourage 2008

