



## 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.

This chapter includes these topics:

- [Call Control Signaling Protocols, page 3-1](#)
- [Call Control Application Program Interfaces, page 3-2](#)

### Call Control Signaling Protocols

Cisco Unified Communications components support an array of call control signaling protocols. [Table 3-1](#) shows the call control signaling protocols that are supported by each component.

**Table 3-1** Call Control Signaling Protocol Support

	DPNSS	H.320	H.323	ISDN	MGCP	SCCP	SIP	QSIG	T1 CAS
Cisco Unified Video Advantage						•			
Cisco Emergency Responder							•		
Cisco Unified CallManager			•		•	•	•	•	
Cisco Unified CallManager Express			•			•	•		
Cisco Unified Contact Center Enterprise			•			•	•		
Cisco Unified Contact Center Express			•			•	•		
Cisco Unified Customer Voice Portal			•						

Table 3-1 Call Control Signaling Protocol Support (continued)

	DPNSS	H.320	H.323	ISDN	MGCP	SCCP	SIP	OSIG	T1 CAS
Cisco Unified IP Phones						•	•		
Cisco Unified MeetingPlace			•			•	•		
Cisco Unified MeetingPlace Express			•				•		
Cisco Unified Personal Communicator							•		
Cisco Unified Presence Server							• Note: Also supports SIMPLE		
Cisco Unity			•			•	•		
Cisco Unity Connection			•			•	•		
Cisco Unity Express							•		
Gateways	•	•	•	•	•		•	•	•
Unified SRST			•			•	•		

## Call Control Application Program Interfaces

Call Control APIs provide you with the flexibility to customize the capabilities of many Cisco Unified Communications components.

Table 3-2 shows the call control signaling APIs that are supported by each component.

Table 3-2 Call Control API Support

	AXL	CTIQBE	HTTP	IMAP	JTAPI	LDAP	MRCP	SNMP	SOAP	SQL	TAPI	TFTP	VPIM	VXML	XML <sup>1</sup>
Cisco Emergency Responder			•								•				
Cisco Unified CallManager	•	•	•		•	•		•	•	•	•	•			
Cisco Unified CallManager Express			•					•							

Table 3-2 Call Control API Support (continued)

	AXL	CTIQBE	HTTP	IMAP	JTAPI	LDAP	MRCP	SNMP	SOAP	SQL	TAPI	TFTP	VPIM	VXML	XML <sup>1</sup>
Cisco Unified Contact Center Enterprise			•		•	•				•					
Cisco Unified Contact Center Express			•		•	•	•			•				•	
Cisco Unified Customer Voice Portal			•				•							•	
Cisco Unified IP Phones			•									•			
Cisco Unified MeetingPlace			•			•		•		•					
Cisco Unified MeetingPlace Express			•			•		•							
Cisco Unified Personal Communicator			•												
Cisco Unified Presence Server	•	•	•						•	•					
Cisco Unity			•	•		•				•			•		
Cisco Unity Connection			•	•		•				•					
Cisco Unity Express			•							•	•	•	•		
Gateways															•

1. For Cisco IP Phones

