

# CUCM و CMS نيب نمآلا لاصتال ني كمت

## تايوت حمل

[قم دق م ل](#)

[ةيساس آلا تابل ط م ل](#)

[تابل ط م ل](#)

[ةمدخت س م ل تانوك م ل](#)

[ةيساس آ تامول عم](#)

[نيوك ت ل](#)

[مدخ CMS و CUCM/IMP نيب نمآلا لاصتال ني كمت](#)

[Jabber ليمعو WebApp نيب دجاوت ل اةكراش مل ددحمل ل CUCM نيوك ت](#)

[ةحص ل ل نم ق ق ح ت ل](#)

## ةمدق م ل

ريدمو Cisco نم (CMS) تاعامتجالا مداخ نيب لاصتال ني كمت ةيفي ك دنت س م ل اذه حضوي (CUCM) ةدحوم ل تالاصتال

## ةيساس آلا تابل ط م ل

### تابل ط م ل

ةيلال ال عيضاوم ل ا ب ةفرعم كي دل نوكت نأب Cisco ي صوت:

- ت دحل ا تارادصل او 3.8 رادصل ال CMS
- CUCM و IM&P
- Jabber

### ةمدخت س م ل تانوك م ل

ةيلال ال ةي دام ل تانوك م ل او ج م ا ر ب ل ا تارادصل ال دنت س م ل اذه يف ةدراول تامول عم ل دنت س ت:

- CMS، رادصل ال 3.8
- CUCM و IM&P 14 SU (3)

ةصاخ ةي لم عم ةئي ب ي ف ةدوجوم ل ةزه آل نم دنت س م ل اذه يف ةدراول تامول عم ل عاشن ا م ت ناك اذ ا (يضا رت ف ا). حوس م م نيوك ت ب دنت س م ل اذه يف ةمدخت س م ل ةزه آل ا عي م ج ت ا ب ر م ا ي آل لم ت حمل ل ري ث ا ت ل ل ك م ه ف نم د ك ا ت ف ، ل ي غ ش ت ل ا دي ق ك ت ك ب ش

## ةيساس آ تامول عم

Jabber/Web دوجو ةكراش مل CUCM و CMS نيب نمآلا لاصتال ني كمت ةي لم عم دنت س م ل اذه حضوي

Jabber يمدخ تسمل شيدحت لال ةلاح نيوكتل ةيلي صفتل تاوطلخال حرشي وهو App. مداخل نيوكت نكمي. CMS يلع بيولا قي ببطت تاعامتج ءانثأ اهل الصوا هائل افاشكت ساو عامتج ي ف مهكارتشا ءانثأ Jabber يمدخ تسمل ةصاخلال دجاوتلال ةلاح شيدحتل تاعامتجال Cisco Meeting Server Web App.

## نيوكتلال

CUCM/IMP و CMS مداخل نيوب نمآلال لاصلتال نيوكمت

Security > Certificate Management يلال حفصتو، OS ةرادا حفص ي ف CUCM يلال لوخدلال ليجستب مق TOMCAT ةداهش ليزنتو.

Common Name	Usage	Type	Key Type	Distribution	Issued By	Expiration	Description
High_Assurance_SUDI_CA_0a6475524cd8617c62	Trust	CA-signed	RSA	High_Assurance_SUDI_CA	Cisco_Root_CA_2099	08/10/2099	This certificate was used to sign the MIC installed on Cisco eni Presence of this certificate allows the end point to communica securely with UCM using the MIC when associated with a secu
Cisco_Basic_Assurance_Root_CA_2099_01a65af15ee994e8e1	Trust	Self-signed	RSA	Cisco_Basic_Assurance_Root_CA_2099	Cisco_Basic_Assurance_Root_CA_2099	05/27/2099	This certificate was used to sign the MIC installed on Cisco eni Presence of this certificate allows the end point to communica securely with UCM using the MIC when associated with a secu
CAPF-4c15e524	Trust	Self-signed	RSA	CAPF-4c15e524	CAPF-4c15e524	05/07/2028	
Cisco_Root_CA_M2_01	Trust	Self-signed	RSA	Cisco_Root_CA_M2	Cisco_Root_CA_M2	11/12/2037	This certificate was used to sign the MIC installed on Cisco eni Presence of this certificate allows the end point to communica securely with UCM using the MIC when associated with a secu
Cisco_Root_CA_2099_019a335878ce16c1c1	Trust	Self-signed	RSA	Cisco_Root_CA_2099	Cisco_Root_CA_2099	08/10/2099	This certificate was used to sign the MIC installed on Cisco eni Presence of this certificate allows the end point to communica securely with UCM using the MIC when associated with a secu
Cisco_Manufacturing_CA_SHA2_02	Trust	CA-signed	RSA	Cisco_Manufacturing_CA_SHA2	Cisco_Root_CA_M2	11/12/2037	This certificate was used to sign the MIC installed on Cisco eni Presence of this certificate allows the end point to communica securely with UCM using the MIC when associated with a secu
cucm14test.test.com_6dffac16e53663f3d9af4a66f355758	Identity	Self-signed	RSA	cucm14test.test.com	cucm14test.test.com	09/30/2028	Self-signed certificate generated by system
ITLRECOVERY_cucm14test_77c9a7891d688e201eff4e1e038db166	Identity	Self-signed	RSA	cucm14test.test.com	ITLRECOVERY_cucm14test	05/01/2028	Self-signed certificate generated by system
cucm14test.test.com_36a79869000000000004	Identity	CA-signed	RSA	cucm14test.test.com	S-WIN2008R2-CA	10/04/2025	Certificate Signed by S-WIN2008R2-CA
cucm14test-EC.test.com_486beedc450be0fb40ff7716b999d3ad	Identity	Self-signed	EC	cucm14test.test.com	cucm14test-EC.test.com	09/30/2028	Self-signed certificate generated by system

CUCM Tomcat ةداهش

Security > Certificate Management يلال حفصتو، OS ةرادا حفص ي ف Cisco Unified Presence (CUPS) مداخل يلال لوخدلال ليجستب مق CUPS ةداهش ليزنتو.

Certificate	Common Name	Usage	Type	Key Type	Distribution	Issued By	Expiration	Description
cup	impnew.test.com	Identity	CA-signed	RSA	impnew.test.com	S-WIN2008R2-CA	10/04/2025	Certificate Signed by S-WIN2008R2-CA
cup-ECDSA	impnew-EC.test.com	Identity	Self-signed	EC	impnew.test.com	impnew-EC.test.com	09/30/2028	Self-signed certificate generated by system
cup-trust	impnew-EC	Trust	Self-signed	EC	impnew	impnew-EC	09/30/2028	Trusted local cluster own-certificate
cup-trust	impnew-EC.test.com	Trust	Self-signed	EC	impnew.test.com	impnew-EC.test.com	09/30/2028	Trusted local cluster own-certificate

Presence CUPS ةداهش

Cup و Tomcat ةداهش يلع تعقوي تلال "رذجال قدصملا عجرملا ةداهش" ليزنت



```
1 -----BEGIN CERTIFICATE-----
2 MIIFqgCCBjOgAwIBAgIKNqYeYAAAAAABDANBqkqhkiG9w0BAQsFADBBMRMwEQQYK
3 CZImiZPyLQGBGRYDY29tMREwDwYKCC2ImiZPyLQGBGRYBUzEXMBUGA1UEAAMOUy1X
4 SU4yMDA4UjItQ0EwHhcNMjMxMDA0MTMyNsE2WhcNMjUxMDA0MTMsNsE2WjBXMQsw
5 CQYDVQQGEwJlZEMMAQGA1UECMBDQ2FyMQwwCgYDVQQHEwNpbmQxZjAMBgNVBAOT
6 BWNpc2NvMRswGgYDVQQDEkxjZWNtMTR0ZXN0LnRlc3QuY29tMIIBIjANBgkqhkiG
7 9w0BAQEFAAOCAQ8AMIIBCgKCAQEAAoYE9an27hV05JUwAEwutEy5RA4WwaxIvkqEI
8 ah0fDpRI2GgY+mrH9q70hAvG3uDYBtBHKYJpkYepeULNjZkh07a39IeeJMG8/q28
9 SckZ+j1VIyw8gt+cnG6E6ibCD+HNdtKfwL0ipSdlTnlieX6DsF05Z1K4Alm4yrsN
10 +b0/wSikfV0+ValyC90nbTCUCIKGvqvqGadiyndb6TRfhi+w4RD+0NgOBjWHqcXX
11 WXgp9JWYQdy7YeX8Y2kljBAyRhSPfa35hojy470hE91N8axmHRm2m5htqeE0kSOy
12 2o09pj7f7Aq1wVAFVpQCxkl2sXtZARHpGdswpm4M8r5MoXptwIDAQABo4ICjTCC
13 AokwDgYDVR0PAAQ/BAQDAgWgMB0GA1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcD
14 AjAoBgNVHREEITAfghh0ZXN0LmNvbYITy3VjbTE0dGVudC50ZXN0LmNvbTAdBgNV
15 HQ4EFgQUtMtpsuTu05EBH2wgGf6qii7M38wHwYDVR0jBBgwFoAUA6L6fIQ4Vp+QI
16 UDz/X6MwFAVhJ4IwgcgGA1UdHwSBwDCBwTCBuqCBt6CBtIaBsWakYXA6Ly8vQ049
17 Uy1XSU4yMDA4UjItQ0EwS049V010MjAwOFIyLENOPUNEUCxDTj1lQdWJsaWMM1MjBL
18 ZXklMjBTZXJ2aWNlcysDTj1lTXJ2aWNlcysDTj1lDb25maWdlcmF0aW9uLERDPVMS
19 REM9Y29tP2N1cnRpZmljYXRlUmV2b2b2NhdGlvbkxpc3Q/YmFzZT9vYmplY3RDbGFs
20 csljUkxEXN0cmliidXRpb25Qb2ludDCBugYIKwYBBQUHAQEEdGaoWgaowgacGCCsG
21 AOUFBsAChOGabGRhcDovLy9DTj1lTLVdJTj1lMDhSM1lDQ3sDTj1BSUESQ049UHVl
22 bGljJT1wS2V5JT1wU2VydmljZXMzQ049U2VydmljZXMzQ049Q29uZmlndXJhdGlv
23 bixEQslTLERDPWNvbT9jQU1cnRpZmljYXRlP2Jhc2U/b2JqZWN0Q2xhc3M5Y2Vy
24 dG1maWNhdGlvbkf1dGhvcml0eTA9BgkzBgEEAYI3FQcEMDAuBiYrBgEEAYI3FQcE
25 yrsWhcnoHIXEjS6B5uhFhsusPgeGpusehts3XAIBZAIbAjAnBgkzBgEEAYI3FQcE
26 GjAYMAoGCCsGAQUFBwMBMAoGCCsGAQUFBwMCMAoGCCsG8Ib3DQEBcUAA4IBAQCQ
27 hREe6ZJHVx1N7JNgY0RE4V9S3FiyQPIVYFYVEdaKAL+Afvs1S214D7ohfIjL5rSA
28 ThWiFFS1wmeA5Cjlg9gi2leHIzDuor6XEXKWB/bkC9BXoDkRMFV7bh9CoosFmXk8
29 r6xeN7H9cAHAs3wFILUnAip1KF/7odBkNUSgT39NJAL1UgVFPt81r6lk8OR5TAYI
30 9vs4dw5ocQzs1720Av8ZDRNFDTsWoOGtU2dCMIXasJ05ALmMBtagqYBNj16URkR8i
31 f2sOkb+NdPZD4XAE00tW8rji124ukr7JBgeWYsjsD2tsZsJgslMprNaVuMDh280Q
32 JQFAiCOp2GgYjkJBZcH2
33 -----END CERTIFICATE-----
34 -----BEGIN CERTIFICATE-----
35 MIIDXTCCAkWgAwIBAgIQDXWNEgF8t79Jqac4Gz04jjANBgkqhkiG9w0BAQsFADBB
36 MRMwEQQYKCC2ImiZPyLQGBGRYDY29tMREwDwYKCC2ImiZPyLQGBGRYBUzEXMBUGA1UE
37 AAMOUy1XSU4yMDA4UjItQ0EwHhcNMjMxMDA0MTMyNsE2WhcNMjUxMDA0MTMsNsE2WjBXMQsw
38 WjBEMRMwEQQYKCC2ImiZPyLQGBGRYDY29tMREwDwYKCC2ImiZPyLQGBGRYBUzEXMBUG
39 A1UEAAMOUy1XSU4yMDA4UjItQ0EwEwgEiMA0GC8qG8Ib3DQEBAAUAA4IBDwAwggEK
40 AoIBAQCXA6tjSyoUyn6Gk0Sbe98SasKRUNGbCORKnI41tWEiX0vPITEsqZUPRJq4
41 7C8useeDiJFUBWAY9e8F4nm+VhGSEKqkwekrlJAF1mV4hkypkR0Wz64b4y04Ln8e
42 3E/F6/SXA6HOqHDyl1q1QMWSA/PXB441GKbSnfA4pjTB8nMP5WL+iBruYH9tX6EJ
43 IJq5Fe+RZYNH/mLuB+0Qf1OCn4sqsx2Gf8DxhJNHU+2m3q7h319exxioDcwiVwZO
44 xqUKrvBs6jBtOg4Kvs3sa4AHyP91SAA2vp42MwtBdis8O3wx+vm/HoVr0fHum/W1
45 Z92iwR9Jx44tKoJHVpBwMvnrK7TrAgMBAAGjUTBPMAsGA1UdDwQEAwIBhjaPBgNV
46 HRMBAf8EBTADAQH/MB0GA1UdDgQWBBERovp8hDhWn5AhQ0s9fosAUBWEngjaQBgkr
47 BgEEAYI3FQEEAwIBADANBgkqhkiG9w0BAQsFAAOCAQEA5nsa91K4BISCAuBgMMe
48 YSPEXl5kEXPQcFtJt1FjnC5uTC4IOMQQFfuralBQfr4DokDXK5892npt5DAFors5
49 k60GpH1bRPBaoxJhR0Ta3imL6yAZ0f2o380nrVRDZKlug/1VeXF/2hlTeZc73utt
50 k5sqewqTQ04NHrBp0Udybmpf2L5BjhlctoH490PI0HEbmVDE0WALKXliqsuEzrmm
51 Mr10MRRlS2ZBpX2W3qw90IrmPW13fde2kE2S1DvuaNcc7B8W0hgWT3HnyuMTyZi
52 b6Yf7hb5F3Z8OpHFU1b222tqk4qouEigyoaUZaLcVhV5UdBCCvwyU19yU6+EscnM
53 Ww==
54 -----END CERTIFICATE-----
55
```

Server Certificate on TOP

CUCM TOMCAT CERT

Root certificate at bottom



just 1 carriage return

Tomcat داهش ةمزع

ي ف (ي) ةطيسولا داهشلاو، لعلأل ي ف مداخل داهش عضو، ينعت داهش ةمزع. CUPS تاداهش نم صيخرت ةمزع عاشناب مق ةبرع ءوجر (1) ب ةءوبتم، لفسأل ي ف رذجال داهشو، فصتنملا

```
1 -----BEGIN CERTIFICATE-----
2 MIIFqTCCBjGgAwIBAgIKNrMm8gAAAAAABTANBgkqhkiG9w0BAQsFADEBMMRMwEQYK
3 C2ImiZPyLgQBGRYDY29tMREwDwYKcZImiZPyLgQBGRYBUzEXMBUGA1UEAxMOUy1X
4 SU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjUzMDA0MTMzOTU0WjBjMQsw
5 CQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UE
6 CmFY21sY28xDDAKBgNVBA5TA2t0c3EYMBYGA1UEAxMPaW1wbmV3LnRlc3QuY29t
7 MIIIBjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAKHb9jsWYhi6i4IkSx8hC
8 Z1USLZHBQ28RDQw1vT3CFGZut+dayK9KshYtsOAhRfWLPWgGtABJWMr98f+DM0RG
9 FsmCtNo1ZsEOq3QCR6b/kbQuC+6LhhgIM8I448tLaAF4neZ/5dmCUSzJNCpnbpH
10 EbqbXKkH8W42BZeLP0T2savk5V+vriGuMjV299vGrEu49kB0EN2M+mnfcnf20xT5
11 wtFqCY9jijKSKC40cu6iJ88A7Hi/yJQJ1NeUmnLpGpF/HKUrclu5pBdfiV1EXBkS
12 LX2bm49PFGRS0guxJZVC457vmAgACgKvwE5s3HvW1t3Tp1WE4AZtSn3s9tsYSOC7
13 bwIDAQABo4ICfsCCAnsWHDYDVR01BBYwFAYIKwYBBQUHAWEGCCsGAQUFBwMCMA4G
14 A1UdDwEB/wQEAwIFoDAAEgNVHREEEzARgg9pbXBu2XcudGVsdC5jb20wHQYDVR0O
15 BBEYFOxvmV/jdcIDMEVOjzWR/yRAo9ktMB8GA1UdIwYMBaAFGi+nyEOfafkCFA7
16 Pl+jMBQFYSeCMIHIBgNVHR8EgcAwgb0wgbqggbbeggb3GgbFsZGFwOi8vL0NOFVMe
17 V01OMjAwOFIyLUNBLENOFVdJTjIwMDhSMixDTj1DRFAzQ049UHVibGljJTJwS2V5
18 JTIwU2VydmljZXMzQ049U2VydmljZXMzQ049Q29uZmlndXJhdGlvbixEQs1TLERD
19 FWNvbT9jZkxJ0aWZpY2F0ZVJldm9jYXRpb25MaXN0P2Jhc2U/b2JqZWN0Q2xhc3M9
20 Y1JMRGlzdHJpYnV0aW9uUG9pbmQwGwGCCsGAQUFBwEBBIBGtMIGqMIGnBggrBgEF
21 BQcwAoaBmmxkYXA6Ly8vQ049Uy1XSU4yMDA4UjItQ0EzQ049QU1BLENOFVBlYmcp
22 YyUyMEtleSUyMFN1cnZpY2VsLENOPVN1cnZpY2VsLENOPUNvbmZpZ2V5YXRpb24s
23 REM9UyxEQs1jb20/Y0FDZkxJ0aWZpY2F0ZT9iYXN1P29iamVjdENsYXNsPWN1cnRp
24 ZmljYXRpb25EeXRob3JpdHkwPQYJKwYBBAGCNxUHBDAwLgYmKwYBBAGCNxUIhcq7
25 FoXJ6ByFwY0ugeboRyBLS4HhqbHobc91wCAWQCAQIwJwYJKwYBBAGCNxUKBBow
26 GDAKBggrBgEFBQcDATAKBggrBgEFBQcDAjANBgkqhkiG9w0BAQsFAAOCAQEAUJdy
27 3mM0FwGwLW4hiShn/XCPChLMPG54IE+EINTBqsoqxs12XLl1do0JjNAI7Xd+PoAGQ
28 UXRjRN3q326yiY5C2itTle/aVpclC5yN6krL/8PEBnmopubQVdqRUCbn4r21iNV
29 sNcBrUeOY0Vr2/EVeB0bVh1DGowfrxMj59v40k15wYc88h0bopL1I/Sc2mpw5m2Z
30 R5nyyx3XfjkmZSvWmO+Suz7dbJu2sfI6sw0EhF12tRRQHCsq9n9uQDSUXCjQFdq
31 Y3A+LJGwL1AuPt4+sqOxjYKYNP8m8+WIBIUEv+oXAOVbz8ffQFoPKYf/ZmWxB-JRP
32 2v/At0ns31UdcKFUPw==
33 -----END CERTIFICATE-----
34 -----BEGIN CERTIFICATE-----
35 MIIDXTCCAkWgAwIBAgIQDKWNEgF8t79Jqac4Gz04jjANBgkqhkiG9w0BAQsFADEB
36 MRMwEQYKcZImiZPyLgQBGRYDY29tMREwDwYKcZImiZPyLgQBGRYBUzEXMBUGA1UE
37 AxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjUzMDA0MTMzOTU0
38 WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAw
39 GA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjUzMDA0MTMz
40 OTU0WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDE
41 OMAwGA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjUzMDA0
42 MTMzOTU0WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2
43 JnbDEOMAwGA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMj
44 U3MDA0MTMzOTU0WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNV
45 BACTA2JnbDEOMAwGA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0
46 WhcNMjU3MDA0MTMzOTU0WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDD
47 AKBgNVBACTA2JnbDEOMAwGA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MT
48 MzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2Fy
49 bmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5
50 MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQswCQYDVQQGEwJlEOMAwGA1UECB
51 MFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhc
52 NMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQswCQYDVQQGEwJlEOMAwGA
53 1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAxMOUy1XSU4yMDA4UjItQ0
54 EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQswCQYDVQQGEwJlE
55 OMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAxMOUy1XSU4yMDA4
UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQswCQYDVQQGEw
JlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAxMOUy1XSU4yMD
A4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQswCQYDVQQG
EwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAxMOUy1XSU4y
MDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQswCQYDV
QQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAxMOUy1X
SU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQswCQ
YDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAxMOUy
1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQsw
CQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAxMO
Uy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBjMQ
swCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UEAx
MOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0WjBj
MQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1UE
AxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0Wj
BjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAwGA1
UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMzOTU0
WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDEOMAw
GA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0MTMz
OTU0WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2JnbDE
OMAwGA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3MDA0
MTMzOTU0WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBACTA2J
nbDEOMAwGA1UEAxMOUy1XSU4yMDA4UjItQ0EwHhcNMjM5MDA0MTMzOTU0WhcNMjU3
MDA0MTMzOTU0WjBjMQswCQYDVQQGEwJlEOMAwGA1UECBMFA2FybmExDDAKBgNVBA
C
```

CUPS Certificate

Root Certificate



carriage return

CUPS دءاهش ؤمذح

WinSCP لالذ نم CMS مءاذ ؤل اقباس اهؤاشن مء ٲءال ؤمذحل ؤاءاهش ؤل ؤطغضا

Name	Size	Type	Name	Size	Changed	Rights	Owner
..		Parent director	c2wip.key	198 KB	5/16/2020 3:44:38 PM	r--r--r--	admin
cupbun.cer	4 KB	Security Certifi	CA.cer	198 KB	8/17/2021 9:36:00 PM	r--r--r--	admin
cucmbun.cer	4 KB	Security Certifi	CA222.cer	198 KB	8/17/2021 10:53:32 PM	r--r--r--	admin
			CA2222.cer	198 KB	8/24/2023 9:35:26 AM	r--r--r--	admin
			CB1.csr	198 KB	8/24/2023 2:58:43 PM	r--r--r--	admin
			CB1.key	198 KB	8/24/2023 2:58:43 PM	r--r--r--	admin
			CB222.cer	198 KB	8/17/2021 11:07:26 PM	r--r--r--	admin
			CB222.csr	198 KB	8/18/2021 4:21:01 AM	r--r--r--	admin
			CB222.key	198 KB	8/18/2021 4:21:01 AM	r--r--r--	admin
			CB2222.cer	198 KB	8/24/2023 9:35:26 AM	r--r--r--	admin
			cmm.csr	198 KB	4/20/2022 11:12:14 PM	r--r--r--	admin
			cmm.key	198 KB	4/20/2022 11:12:14 PM	r--r--r--	admin
			cms.cer	198 KB	9/21/2021 12:18:15 PM	r--r--r--	admin
			cms.lic	198 KB	10/26/2023 5:54:51 PM	r--r--r--	admin
			cucmbun.cer	198 KB	10/4/2023 7:18:03 PM	r--r--r--	admin
			cup.cer	198 KB	10/4/2023 3:51:03 PM	r--r--r--	admin
			cupbun.cer	198 KB	10/4/2023 7:22:10 PM	r--r--r--	admin
			Feb_09_2023_14_14.bak	518 KB	2/9/2023 2:13:12 PM	r--r--r--	admin
			Feb_10_2023_13_27.bak	518 KB	2/10/2023 1:25:05 PM	r--r--r--	admin

CMS ىل تاداهشلا ةمزخ خسن

callbridge ucm certs <cert-bundle> مادختساب CallBridge ىل TOMCAT ةمزخ ةداهش نييعت

```
wb3>
wb3> callbridge ucm certs cucmbun.cer
wb3>
```

تسارت تريسي يدغيربىلك

callbridge impo certs <cert-bundle> Cup ةمزخ ةداهش نييعت

```
wb3>
wb3> callbridge impo certs cupbun.cer
wb3>
```

تاداهشلا ةمزخ نييعت نم ققحتلل رمأل callbridge لىغشتب مق

```

wb3> callbridge
Listening interfaces      : a
Preferred interface     : none
Key file                 : wb2sept2.key
Certificate file        : wb3sept2.cer
Address                  : none
CA Bundle file          : bunsept22.cer
C2W trusted certs       : WMBUN.cer
Callbridge cluster trusted certs : none
Callbridge trust branding certs : none
UCM trusted certs       : cucmbun.cer
UCM verification mode   : enabled
IMPS trusted certs      : cupbun.cer
IMPS verification mode  : enabled
WC3 JWT Expiry in hours : 24
wb3>

```

CallBridge في ةقثال ةداهش نم ققحتل

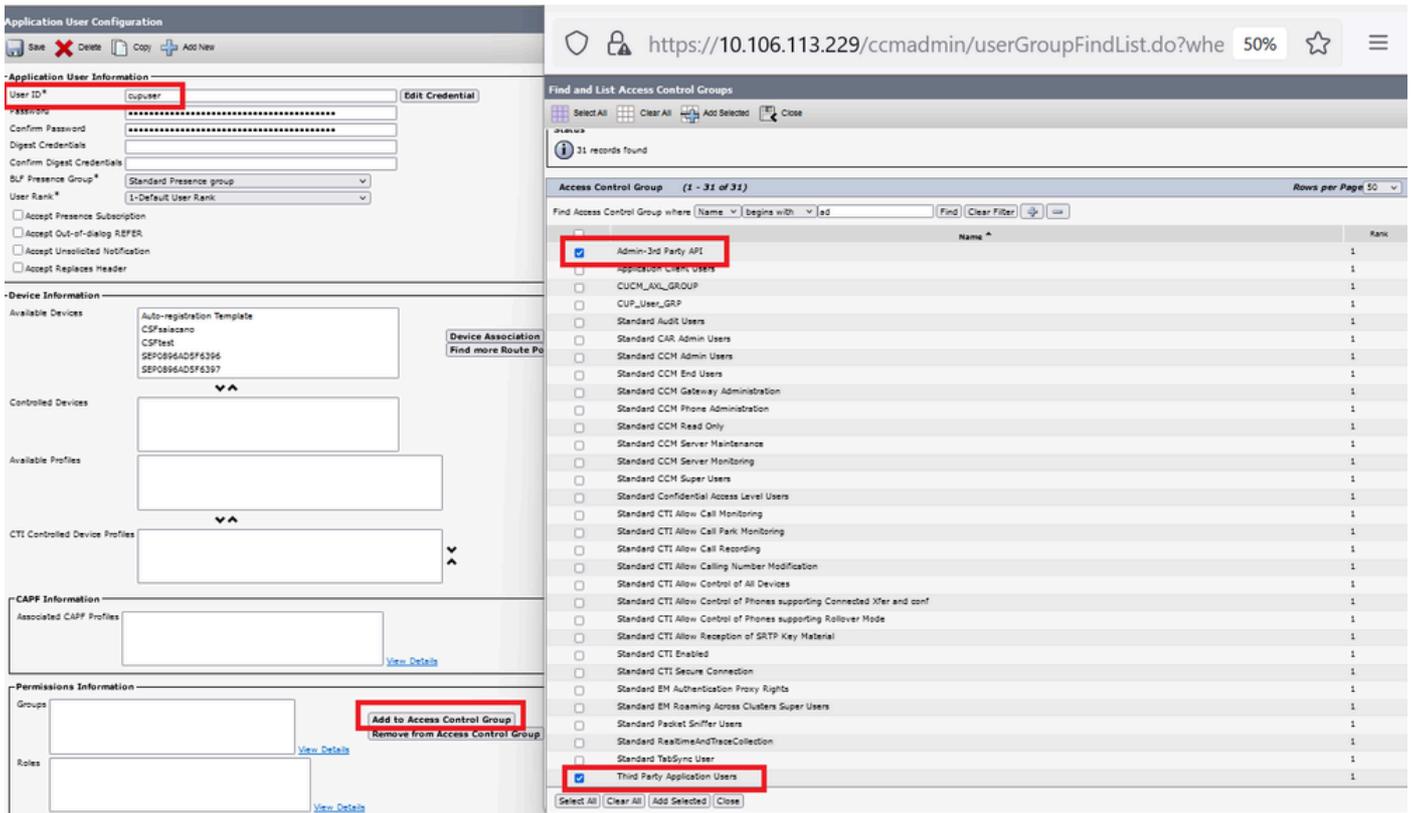
Add رقناو، User Management > User Settings > Access Control Group، لى لقتنا، CM، لوؤسك CUCM لى لوخدلا ليجستب مق New، لوصولا في مكحت ةوعومجم عاشناب مقو، CUCM\_AXL\_Group.

The screenshot shows the Cisco Unified CM Administration web interface. The breadcrumb navigation is: System > Call Routing > Media Resources > Advanced Features > Device > Application > User Management > Bulk Administration > Help. The page title is "Access Control Group Configuration". There is a "Save" button at the top left. The "Status" section shows "Status: Ready". The "Access Control Group Information" section is highlighted with a red box and contains the following fields: "Name\*" with the value "CUCM\_AXL\_GROUP" and "Available for Users with User Rank as\*" with a dropdown menu set to "1 - Default User Rank". There is another "Save" button at the bottom left. A note at the bottom indicates that "\*" indicates a required item.

AXL ةوعومجم عاشناب

اقبسم اهؤاشناب مت يتل لوصولا في مكحتل ةوعومجم لى AXL API Access Standard رودلا نييعتب مق.





سأكل مدخست سءاشن

مادخت سءاب CMS لىلع Cisco Unified Communications Manager IM & Presence Service (IMPS) و CUCM ءءاهشل ءءاهشلا نم ققحتلا نىكم ت

callbridge ucm verify <enable/disable>

callbridge imps verify <enable/disable>

```

wb3>
wb3> callbridge ucm verify enable
wb3>
wb3>
wb3> callbridge imps verify enable
wb3>

```

CallBridge نم CUPS و CUCM نم ققحتلا

رمءال callbridge لىغشت لالء نم كلذ نم ققحت

```

wb3>
wb3> callbridge
Listening interfaces      : a
Preferred interface     : none
Key file                 : wb2sept2.key
Certificate file        : wb3sept2.cer
Address                  : none
CA Bundle file          : bunsept22.cer
C2W trusted certs       : WMBUN.cer
Callbridge cluster trusted certs : none
Callbridge trust branding certs : none
UCM trusted certs       : cucmbun.cer
UCM verification mode   : enabled
IMPS trusted certs      : cupbun.cer
IMPS verification mode  : enabled
WC3 JWT Expiry in hours : 24
wb3>

```

اعادت سالارم نم ققحتلا

مادختساب CMS ىلع اقباس اهؤاشن| مت يتلا CUPS و AXL و CUCM ل (FQDN) لمالك لاب لهؤملا لاجملا مسافاضاب نآلا مق  
callbridge ucm add <hostname/IP> <axl\_user> <presence\_user>.

axl\_user = مدختسم AXL ىلع CUCM

presence\_user = اقباس هؤاشن| مت يتلا CUP مدختسم

```

wb3>
wb3> callbridge ucm add <hostname/IP> <axl_user> <presence_user>
Only 1 UCM node is allowed. Delete existing UCM node to add a new UCM node.
wb3> callbridge ucm add cucm14test.test.com axluser cupuser
Enter axl user password:
Enter presence user password:
UCM node updated successfully. Restart the callbridge for changes to take effect.
wb3>
wb3>

```

ىل CallBridge لىل CUCM ةفاضل

ةدعاسمب CUCM تامدخب قثت CMS تناك اذا امم ققحت، نآلا

callbridge ucm <hostname/IP> axl\_service status

callbridge ucm cucm14test.test.com axl\_service status

```

wb3> callbridge ucm cucm14test.test.com axl_service status
Axl service available.
wb3>

```

## CallBridge AXL ةلاح

callbridge imps <hostname/IP> <presence\_user> presence\_service status

wb3> callbridge imps impnew.test.com cisco presence\_service status

```
wb3>
wb3>
wb3> callbridge imps impnew.test.com cupuser presence_service status
Enter presence user password:
Presence service available.
wb3>
```

## CallBridge ءو ةلاح

روضلاو AXL ءامءلا ةبسنلاب ضعبل اماه ضعبل ناقتي CMS و CUCM نأ ةرفو ءلا ءامءلا ينعت

مهت نمازم تمت نيذلا (LDAP) نزولا في فيخ لي ل دلا لي ل و صولا لوكوتورب يمدختم سى لى ع CUCM يوتحي  
بجي و Jabber JID و بي و قي بطت مدمختم سى لى ع CUPS. اضي ا مهت ي دحت و  
Jabber لى ع دجاوتل ثي دحت متيل ، مدمختم سى لى ع س ف ن ب بي و قي بطت ي ف مهل ي جست متي ن ا

Jabber لى ع و WebApp ني ب دجاوتل اة كراش مل ددح مل ل CUCM ني وكت

ه. ني وكت م LDAP لوكوتورب لى ع CUCM يوتحي ن ا بجي

LDAP ماطن:

## LDAP System Configuration

### Status



Please Delete All LDAP Directories Before Making Changes on This Page



Please Disable LDAP Authentication Before Making Changes on This Page

### LDAP System Information



Enable Synchronizing from LDAP Server

LDAP Server Type

Microsoft Active Directory



LDAP Attribute for User ID

sAMAccountName



CUCM LDAP 1 ني وكت

LDAP لى ل د:

LDAP Directory Related Links: [Back to](#)

Save Delete Copy Perform Full Sync Now Add New

---

**LDAP Directory Information**

LDAP Configuration Name\*

LDAP Manager Distinguished Name\*

LDAP Password\*

Confirm Password\*

LDAP User Search Base\*

LDAP Custom Filter for Users

Synchronize\*  Users Only  Users and Groups

LDAP Custom Filter for Groups

---

**LDAP Directory Synchronization Schedule**

Perform Sync Just Once

Perform a Re-sync Every\*  DAY

Next Re-sync Time (YYYY-MM-DD hh:mm)\*

---

**Standard User Fields To Be Synchronized**

Cisco Unified Communications Manager User Fields	LDAP Attribute	Cisco Unified Communications Manager User Fields	LDAP Attribute
User ID	sAMAccountName	First Name	givenName
Middle Name	middleName	Last Name	sn
Manager ID	manager	Department	department
Phone Number	telephoneNumber	Mail ID	mail
Title	title	Home Number	homephone
Mobile Number	mobile	Pager Number	pager
Directory URI	mail	Display Name	displayName

نيوكت CUCM LDAP 2

قداصم LDAP:

نيوكت CUCM LDAP 1 CUCM LDAP Configuration 1 CUCM LDAP Configuration 1

**LDAP Authentication**

Save

---

**Status**

Status: Ready

---

**LDAP Authentication for End Users**

Use LDAP Authentication for End Users

LDAP Manager Distinguished Name\*

LDAP Password\*

Confirm Password\*

LDAP User Search Base\*

---

**LDAP Server Information**

Host Name or IP Address for Server\*

LDAP Port\*  Use TLS

[Add Another Redundant LDAP Server](#)

CUCM LDAP Configuration 3

ديربال فرعم نيوكت عم CUCM لى LDAP نم مهبحس مت نيذال نوومدخستسملا

## End User Configuration

Save Delete Add New Revoke Refresh Token

---

### Status

Status: Ready

---

### User Information

User Status: Active Enabled LDAP Synchronized User

User ID\*: test

Self-Service User ID:

PIN:  [Edit Credential](#)

Confirm PIN:

Last name\*: test

Middle name:

First name: test

Display name: test test

Title:

Directory URI: test@test.com

Telephone Number:

Home Number:

Mobile Number:

Pager Number:

**Mail ID: test@test.com**

Manager User ID:

CUCM ي ف نوم دخت س م

CUPS: م داخ ي ل ع CUCM م دخت س م ثي دحت م ت

**Node User Assignment (impnew.test.com)**

Status: 2 records found

User Assignment (1 - 2 of 2) Rows per Page 50

Find User Assignment where User ID begins with  Find Clear Filter

User ID	First Name	Last Name	IM Address	Directory URI	Failed Over	Node	Presence Redundancy Group
test	test	test	test@test.com	test@test.com		impnew.test.com	DefaultCUPSsubcluster
test2	test2	2	test2@test.com	test2@test.com		impnew.test.com	DefaultCUPSsubcluster

CUPS ي ف نوم دخت س م ل ا

CMS. ي ل ع اه ت ن م ا ز م و م دخت س م ل ا ت ا ن ا ي ب ة د ع ا ق ب ح س م ت ي . CMS. ي ل ع ا ض ي ا ه س ف ن LDAP ل ي ل د ن ي و ك ت م ت

### Users

Filter  Submit Query

Name	Email	
Gogi	gogi@s.com	gogi@s.com
Saiacano	saiacano@s.com	Saiacano@s.com
cms user	cmsuser1@saml.com	cmsuser1@saml.com
go go	gogo@federation.com	gogo@federation.com
ivrman	ivrman@s.com	ivrman@s.com
joey	joey@s.com	joey@s.com
popo1 1	popo11@saml.com	popo11@saml.com
prashant	prkapur@s.com	prkapur@s.com
replication user	replicationuser@saml.com	replicationuser@saml.com
sai 1	sai1@saml.com	sai@saml.com
sai1 acano	sai1acano@federation.com	sai1acano@federation.com
saml superuser	ssosuperuser@saml.com	ssosuperuser@saml.com
sankar v		sankar@s.com
shakur 2pac	2pac@s.com	2pac@s.com
test test	test@test.com	test@test.com
testz	testz@test.com	testz@test.com
user 1	user1@saml.com	user1@saml.com

### CMS وم دختسم

دجاوتلا رابتخا ةعباتم كنكمي، CUCM، يف قثت نا نكمي CMS نا نم ققحتلاب لعفلاب تمق دق كنا امب، ناآلا

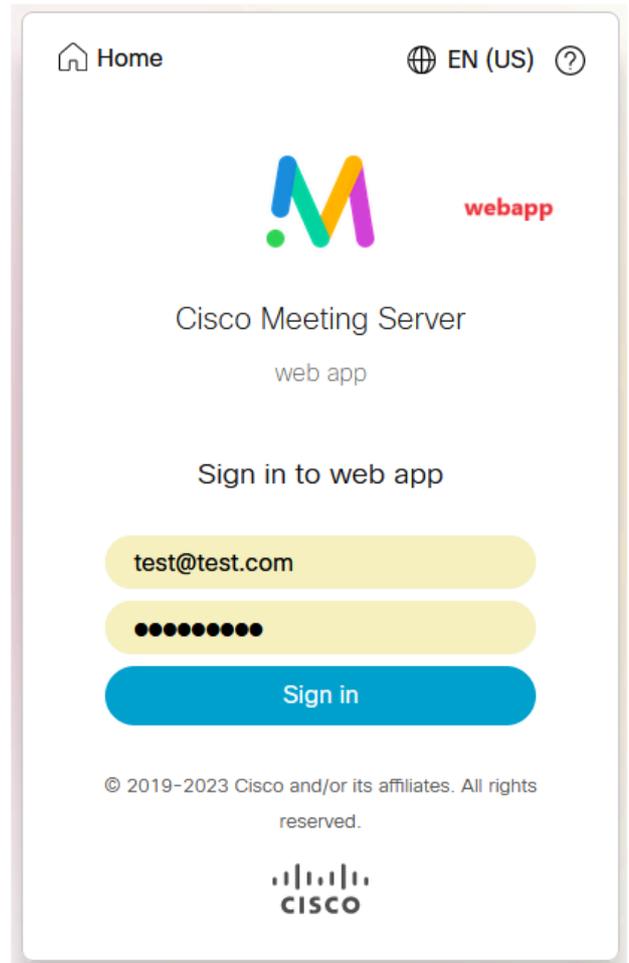
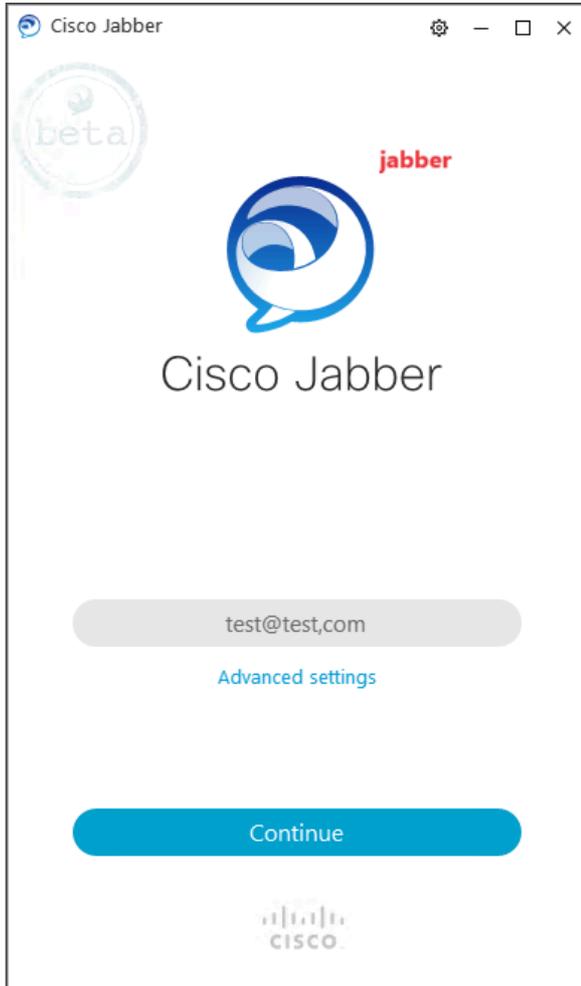
```

wb3>
wb3> callbridge ucm add <hostname/IP> <axl_user> <presence user>
Only 1 UCM node is allowed. Delete existing UCM node to add a new UCM node.
wb3> callbridge ucm add cucml4test.test.com axluser cupuser
Enter axl user password:
Enter presence user password:
UCM node updated successfully. Restart the callbridge for changes to take effect.
wb3>
wb3> █
    
```

### CMS لى CUCM و سوؤك ةفاض

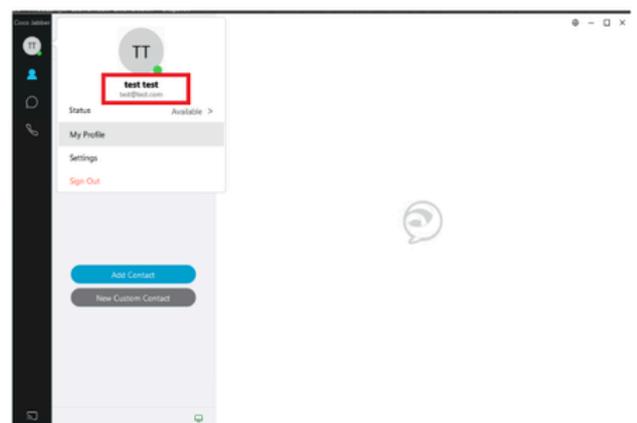
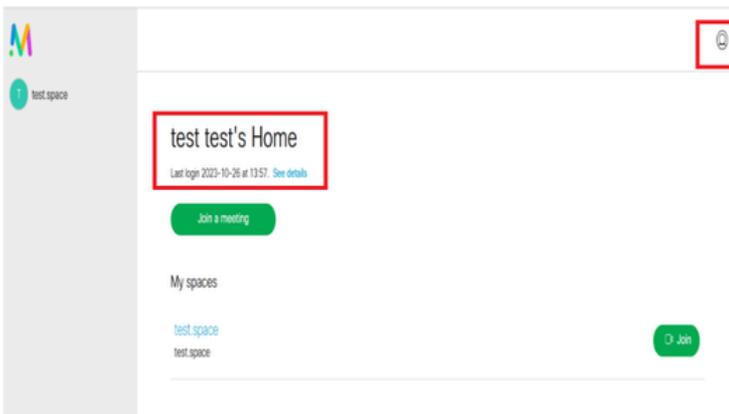
### ةحصلال نم ققحتلا

LDAP) لوكتورب س فن نم ةنمازمالا تمت) مدختسمال س فن بنيليمع لى عيقوتال مت

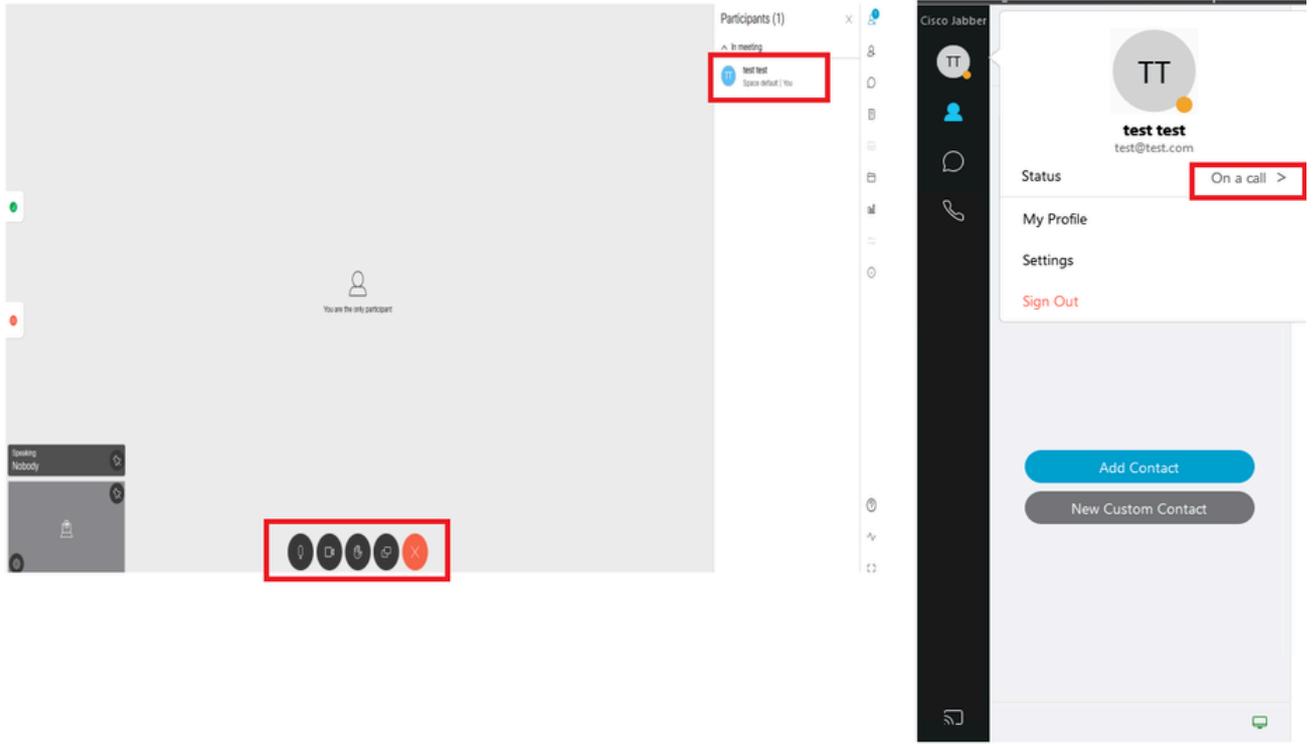


تست Jabber و WebApp في مدخستسالم ل لوخد ليجست

مدخستسالم س فن ى ل لوخد ل ليجست ب نينوبزلا الك ماق [test@test.com](mailto:test@test.com).



لاصتالا لبق WebApp و Jabber في دجاوتالا



بېو قېببطت نم مامضنالا دن دجاوتلا ؤلا ح رېغتت

ؤلا ح شېدحتب تاعامتجالا مداخ موقې ،عامتجالا مامضنالاو بېو قېببطت ىلا لوخدلا لىجستب Jabber مدختسم موقې ام دنع اذا ،لا ثمل لىبس ىلع .عامتجالا مدختسم لىهنې نأ دعب ؤق باسلا هتلا ح ىلا دتريو "ؤملاك م ف ،عامتجالا ف" ىلا Jabber قېببطت عامتجالا ف نوكت ام دنع "ؤملاك م ف ،عامتجالا ف" ىلا اه شېدحت متې ،"رفوتم" رهطت Jabber ىلع مدختسم لالا ؤلا ح تناك ف Jabber مدختسم ناك اذا .ىرأ ؤرم "رفوتم" ىلا Jabber ؤلا ح نېي عت متې ،عامتجالا مدختسم لالا رداغې نأ دعب .بېو ناك اذا Jabber ؤلا ح شېدحتب تاعامتجالا مداخ موقې نلف ،بېو قېببطت عامتجالا مامضنالا انا ثأ ىرأ ؤملاك م/عامتجالا تاعامتجالا مداخ ناف ،بېو قېببطت عامتجالا مامضنالا لبق 'چاعزالا مدع - DND' ىلا هتلا ح نېي عتب ماق دق Jabber مدختسم زواجتې ال ،بېو قېببطت عامتجالا انا ثأ تقو ىا ف اىو دې Jabber ؤلا ح شېدحتب مدختسم لالا ماق اذا Jabber ؤلا ح شېدحتب موقې ال .اىو دې اه شېدحت متې لالا مدختسم لالا ؤلا ح تاعامتجالا مداخ

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا اذ ه Cisco ت مچرت  
م ل ا ل ا ا ن ا ع مچ ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل و  
ا م ك ة ق ي ق د ن و ك ت ن ل ة ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب  
Cisco ي ل خ ت . ف ر ت ح م مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة مچرت ل ا ع م ل ا ح ل ا و ه  
ي ل ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco  
Systems ( ر ف و ت م ط ب ا ر ل ا ) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا دن ت س م ل ا