

Configure and Troubleshoot Proxy TFTP on CUCM

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Introduction

This document describes the Proxy Trivial File Transfer Protocol (TFTP) feature for Cisco Unified Communications Manager (CUCM).

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Cisco Phone Registration
- Cisco TFTP service on CUCM

Components Used

This document is not restricted to specific software and hardware versions as currently supported software and hardware include this feature.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

This document covers the purpose of the feature, configuration of the feature, important diagnostic data, example analysis of the data, and related resources for additional research.

The purpose of this feature is to create a scalable TFTP configuration for large CUCM environments which include multiple CUCM clusters.

Network Diagram

Configure

Manual Proxy TFTP Configuration

Add remote clusters via the **Find and List Remote Clusters** on the **Cisco Unified CM Administration** web interface.

Step 1. Add a remote cluster.

- In **Cisco Unified CM Administration**, choose **Advanced Features > Cluster View**.
- Click **Add New** then enter the **Cluster Id** and **Fully Qualified Domain Name**.
- Click **Save**.

Step 2. Enable the **Proxy TFTP** feature.

- Click the TFTP hyperlink. The **Remote Cluster Manually Override Configuration** window appears.
- Choose **Manually configure remote service addresses**.
- Enter the IP addresses for the TFTP servers of the remote cluster.
- Click **Save**.

Step 3. Add the remote TFTP servers.

- Click the TFTP hyperlink. The **Remote Cluster Manually Override Configuration** window appears.
- Choose **Manually configure remote service addresses**.
- Enter the IP addresses for the TFTP servers of the remote cluster.
- Click **Save**.

Step 4. (Optional) Add the proxy TFTP server to your **Dynamic Host Configuration Protocol (DHCP)** scope.

For multiple cluster deployments, modify the DHCP scope for individual remote nodes to include the IP address of the primary proxy TFTP server.

Dynamic Proxy TFTP Configuration

Step 1. Configure **Intercluster Lookup Service (ILS)**.

Step 2. Check the box for TFTP in the cluster view page.

Troubleshoot

Data to Collect

In the case of a proxy TFTP issue, you must collect this information from each CUCM cluster:

- Detailed TFTP logs
- Event Viewer - Application logs
- Event Viewer - System logs
- Packet captures

You must also collect this information from the phone:

- A Problem Report Tool (PRT)
- Packet captures

Example Analysis

Device information from Cisco lab

Phone:

Model: 8861
Firmware version: sip88xx.12-1-1SR1-4
IP address: 192.0.2.11
eth.addr==28:34:a2:82:3b:58

Leaf Cluster where the phone register:

192.0.2.1400-11
192.0.2.12 (only 1 server)

Proxy Cluster:

192.0.2.1500-18
198.51.100.0 (only 1 server)

PCAP review for Proxy TFTP cluster

No.	Time	Source	Destination	Protocol	Length	Info
375	2018-11-16 07:28:32.109997	14.48.38.102	14.48.38.115	HTTP	130	GET /CTLSEP2834A2823B58.tlv HTTP/1.1
378	2018-11-16 07:28:32.110751	14.48.38.115	14.48.38.102	HTTP	140	HTTP/1.1 503 Service Unavailable
392	2018-11-16 07:28:33.021326	14.48.38.102	14.48.38.115	HTTP	130	GET /ITLSEP2834A2823B58.tlv HTTP/1.1
394	2018-11-16 07:28:33.021958	14.48.38.115	14.48.81.99	HTTP	173	GET /ITLSEP2834A2823B58.tlv HTTP/1.1
403	2018-11-16 07:28:33.022969	14.48.81.99	14.48.38.115	HTTP	829	HTTP/1.1 200 OK (*/*)
409	2018-11-16 07:28:33.023748	14.48.38.115	14.48.38.102	HTTP	829	HTTP/1.1 200 OK (*/*)
437	2018-11-16 07:28:34.627937	14.48.38.102	14.48.38.115	HTTP	135	GET /SEP2834A2823B58.cnf.xml.sgn HTTP/1.1
445	2018-11-16 07:28:34.628456	14.48.38.115	14.48.81.99	HTTP	178	GET SEP2834A2823B58.cnf.xml.sgn HTTP/1.1
498	2018-11-16 07:28:38.208029	14.48.38.102	14.48.38.115	HTTP	4330	HTTP/1.1 200 OK (*/*)
501	2018-11-16 07:28:38.208609	14.48.38.115	14.48.38.102	HTTP	1434	HTTP/1.1 200 OK (*/*)
510	2018-11-16 07:28:38.383941	14.48.38.102	14.48.38.115	HTTP	124	GET /AppDialRules.xml HTTP/1.1
515	2018-11-16 07:28:38.384526	14.48.38.115	14.48.38.102	HTTP	91	HTTP/1.1 200 OK (*/*)
				HTTP	154	GET /SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml
				HTTP	685	HTTP/1.1 200 OK (*/*)

No.	Time	Source	Destination	Protocol	Length	Info
375	2018-11-16 07:28:32.109997	14.48.38.102	14.48.38.115	HTTP	130	GET /CTLSEP2834A2823B58.tlv HTTP/1.1
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403	2018-11-16 07:28:33.022969	14.48.81.99	14.48.38.115	HTTP	829	HTTP/1.1 200 OK (*/*)
409	2018-11-16 07:28:33.023748	14.48.38.115	14.48.38.102	HTTP	829	HTTP/1.1 200 OK (*/*)
437	2018-11-16 07:28:34.627937	14.48.38.102	14.48.38.115	HTTP	135	GET /SEP2834A2823B58.cnf.xml.sgn HTTP/1.1
445	2018-11-16 07:28:34.628456	14.48.38.115	14.48.81.99	HTTP	178	GET SEP2834A2823B58.cnf.xml.sgn HTTP/1.1
498	2018-11-16 07:28:38.208029	14.48.38.102	14.48.38.115	HTTP	4330	HTTP/1.1 200 OK (*/*)
501	2018-11-16 07:28:38.208609	14.48.38.115	14.48.38.102	HTTP	1434	HTTP/1.1 200 OK (*/*)
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515	2018-11-16 07:28:38.384526	14.48.38.115	14.48.38.102	HTTP	91	HTTP/1.1 200 OK (*/*)
				HTTP	154	GET /SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml
				HTTP	685	HTTP/1.1 200 OK (*/*)

TFTP log review for Proxy TFTP cluster

```
##### 07:28:32.110 || SdlConnectionInd for the phone connecting to request the CTL file
00004372.000 |07:28:32.110 |SdlSig |SdlConnectionInd |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,63) |1,600,12,1.43^***
|*TraceFlagOverrode
00004373.000 |07:28:32.110 |SdlStat |Period: 17s #Lines: 1 #Bytes: 240 Total Number of Buffers:
2000 Free LWM: 1997 Free LWM(total): 1918
00004372.001 |07:28:32.110 |AppInfo |-->HTTPSERVER::listening_SdlConnectionInd
00004372.002 |07:28:32.110 |AppInfo |HTTPServer::listening_SdlConnection - Printing the sender
PID = [1, 600, 14, 63]
00004372.003 |07:28:32.110 |AppInfo |HTTPServer::handleConnection - Sending a Reassociate
Request to Reassociate the newly created HTTPConnectionInfo object to the network/client
00004372.004 |07:28:32.110 |AppInfo |HTTPServer::listening_SdlConnectionInd - Maximum serving
count for HTTP connection is = 2500
00004372.005 |07:28:32.110 |AppInfo |HTTPServer::listening_SdlConnectionInd -
HTTPConnectionCount = 1
00004372.006 |07:28:32.110 |AppInfo |<--HTTPSERVER::listening_SdlConnectionInd
00004374.000 |07:28:32.110 |SdlSig |SdlReassociateRsp |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,63) |1,600,12,1.43^***
```

```

|*TraceFlagOverrode
00004374.001 |07:28:32.110 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Reassociation
Successful
00004374.002 |07:28:32.110 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Printing the PID
of sender = [1, 600, 14, 63]
00004375.000 |07:28:32.110 |SdlSig |SdlReassociateInd |wait
|HTTPConnection(1,600,26,3) |SdlTCPConnection(1,600,14,63) |1,600,12,1.43^***
|*TraceFlagOverrode
00004375.001 |07:28:32.110 |AppInfo |-->HTTPConnection::wait_SdlReassociateInd
00004375.002 |07:28:32.110 |AppInfo | HTTPConnection::wait_SdlReassociateInd Received
ReassociateIndication from 192.0.2.11
00004375.003 |07:28:32.110 |AppInfo |<--HTTPConnection::wait_SdlReassociateInd
00004376.000 |07:28:32.110 |SdlSig |SdlDataInd |wait
|HTTPConnection(1,600,26,3) |SdlTCPConnection(1,600,14,63) |1,600,14,63.2^***
|*TraceFlagOverrode
00004376.001 |07:28:32.110 |AppInfo |-->HTTPConnection::wait_SdlDataInd
00004376.002 |07:28:32.110 |AppInfo | HTTPConnection::wait_SdlDataInd SdlDataInd received from
TcpPID-[1, 600, 14, 63]

```

07:28:32.110 || Phone requests the CTL file

```

00004376.003 |07:28:32.110 |AppInfo | HTTPConnection::wait_SdlDataInd Printing the
HTTPRequest : msgBuffer size [64] --: GET /CTLSEP2834A2823B58.tlv HTTP/1.1
Host:198.51.100.0:6970

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X

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00004376.004 |07:28:32.110 |AppInfo | HTTPConnection::wait_SdlDataInd Proxy Request- 0 ,
CTLSEP2834A2823B58.tlv
00004376.005 |07:28:32.110 |AppInfo | HTTPConnection::wait_SdlDataInd Decode successful -
Filename is : CTLSEP2834A2823B58.tlv
00004376.006 |07:28:32.110 |AppInfo | HTTPConnection::wait_SdlDataInd File request signal
sent to ServeFile process
00004376.007 |07:28:32.110 |AppInfo |<--HTTPConnection::wait_SdlDataInd
00004377.000 |07:28:32.110 |SdlSig |FileRequest |wait
|ServeFile(1,600,22,1) |HTTPConnection(1,600,26,3) |1,600,14,63.2^***
|*TraceFlagOverrode
00004377.001 |07:28:32.110 |AppInfo |-->ServeFile::wait_FileRequest
00004377.002 |07:28:32.110 |AppInfo | ServeFile::wait_FileRequest Received File request for
CTLSEP2834A2823B58.tlv with Request ID 43
00004377.003 |07:28:32.110 |AppInfo |-->ServeFile::validateFileName
00004377.004 |07:28:32.110 |AppInfo | ServeFile::validateFileName File Requested
CTLSEP2834A2823B58.tlv
00004377.005 |07:28:32.110 |AppInfo |<--ServeFile::validateFileName
00004377.006 |07:28:32.110 |AppInfo | ServeFile::wait_FileRequest File Validation Success and
the File to be Searched is CTLSEP2834A2823B58.tlv
00004377.007 |07:28:32.110 |AppInfo |-->ServeFile::CheckFileIsStatic
00004377.008 |07:28:32.110 |AppInfo | ServeFile::CheckFileIsStatic ctlsep2834a2823b58.tlv is
(Not a Static) File
00004377.009 |07:28:32.110 |AppInfo |<--ServeFile::CheckFileIsStatic
00004377.010 |07:28:32.110 |AppInfo | ServeFile::wait_FileRequest Sending the FileRequest
signal to ProcessServeDynamicFile process
00004377.011 |07:28:32.110 |AppInfo |<--ServeFile::wait_FileRequest
00004378.000 |07:28:32.110 |SdlSig |FileRequest |wait
|ServeDynamicFile(1,600,23,5) |ServeFile(1,600,22,1) |1,600,14,63.2^***
|*TraceFlagOverrode
00004378.001 |07:28:32.110 |AppInfo |-->ServeDynamicFile::wait_FileRequest
00004378.002 |07:28:32.110 |AppInfo | ServeDynamicFile::wait_FileRequest Received File
request for the dynamic file CTLSEP2834A2823B58.tlv
00004378.003 |07:28:32.110 |AppInfo |-->ServeDynamicFile::isCTLCAPFRequest
00004378.004 |07:28:32.110 |AppInfo | ServeDynamicFile::isCTLCAPFRequest
[CTLSEP2834A2823B58.tlv] is Not a CTLCAPF File
00004378.005 |07:28:32.110 |AppInfo |<--ServeDynamicFile::isCTLCAPFRequest
00004378.006 |07:28:32.110 |AppInfo | ServeDynamicFile::wait_FileRequest HandleCTL:

```

[CTLSEP2834A2823B58.tlv] is CTLSEPMac.tlv file, Searching[2834A2823B58]
00004378.007 |07:28:32.110 |AppInfo |TFTPCache::FindMatching(SEP2834A2823B58), Not Found

07:28:32.110 || The file isn't found locally

00004378.008 |07:28:32.110 |AppInfo | ServeDynamicFile::wait_FileRequest HandleCTL:
Match[CTLSEP2834A2823B58.tlv] Not found locally
00004378.009 |07:28:32.110 |AppInfo |-->ServeDynamicFile::FindAndServe
00004378.010 |07:28:32.110 |AppInfo |[CTLSEP2834A2823B58.tlv] file not found. Checking
[CTLSEP2834A2823B58.tlv.sgn] to strip from
00004378.011 |07:28:32.110 |AppInfo | ServeDynamicFile::FindAndServe File Not Found - 404 -
Failure
00004378.012 |07:28:32.110 |AppInfo |<--ServeDynamicFile::FindAndServe
00004378.013 |07:28:32.110 |AppInfo | ServeDynamicFile::wait_FileRequest ID not found for the
request... Sending File Not Found
00004378.014 |07:28:32.110 |AppInfo |<--ServeDynamicFile::wait_FileRequest
00004379.000 |07:28:32.110 |SdlSig |FileResponse |wait
|ServeFile(1,600,22,1) |ServeDynamicFile(1,600,23,5) |1,600,14,63.2^***
|*TraceFlagOverrode
00004379.001 |07:28:32.110 |AppInfo |-->ServeFile::wait_FileResponse
00004379.002 |07:28:32.110 |AppInfo | ServeFile::wait_FileResponse File Response signal
received by ServeFile process

07:28:32.110 || The TFTP service checks for remote TFTP servers

00004379.003 |07:28:32.110 |AppInfo | ServeFile::wait_FileResponse FileStatus : 0 --
OffClusters Configured : 1
00004379.004 |07:28:32.110 |AppInfo | ServeFile::wait_FileResponse OffClusters are
configured. Have to search in off-cluster
00004379.005 |07:28:32.110 |AppInfo |-->ServeFile::searchFileInOffCluster
00004379.006 |07:28:32.110 |AppInfo | ServeFile::searchFileInOffCluster FileName =
CTLSEP2834A2823B58.tlv
00004379.007 |07:28:32.110 |AppInfo | ServeFile::searchFileInOffCluster RequestID = 43
00004379.008 |07:28:32.110 |AppInfo | ServeFile::searchFileInOffCluster IsStatic = 0
00004379.009 |07:28:32.110 |AppInfo |-->ServeFile::StartSearchReq
00004379.010 |07:28:32.110 |AppInfo | ServeFile::StartSearchReq Inserting to CRMDB -
[CTLSEP2834A2823B58.tlv] [0]

07:28:32.110 || The request is sent to the ClusterGWApi

00004379.011 |07:28:32.110 |AppInfo | ServeFile::StartSearchReq Sending New SearchReq signal
with TransID [43] to ClusterGWApi
00004379.012 |07:28:32.110 |AppInfo |-->ClusterGWApi::searchReq
00004379.013 |07:28:32.110 |AppInfo | ClusterGWApi::searchReq Sending the SearchReq signal
with trans ID [43] to ClusterGW.
00004379.014 |07:28:32.110 |AppInfo |<--ClusterGWApi::searchReq
00004379.015 |07:28:32.110 |AppInfo |<--ServeFile::StartSearchReq
00004379.016 |07:28:32.110 |AppInfo | ServeFile::searchFileInOffCluster CRM DB Lookup
failed, hence sending 503

07:28:32.110 || The search for the file in other clusters is started

00004379.017 |07:28:32.110 |AppInfo | ServeFile::searchFileInOffCluster Started the Search
Request in the Off Cluster
00004379.018 |07:28:32.110 |AppInfo |<--ServeFile::searchFileInOffCluster
00004379.019 |07:28:32.110 |AppInfo |<--ServeFile::wait_FileResponse
00004380.000 |07:28:32.110 |SdlSig |SearchReq |wait
|ClusterMgr(1,600,28,1) |ClusterGW(1,600,29,1) |1,600,14,63.2^***
|*TraceFlagOverrode
00004380.001 |07:28:32.110 |AppInfo |-->ClusterMgr::wait_SearchReq

07:28:32.110 || The pkid for the remote cluster is listed as the cluster where the search is delivered to

00004380.002 |07:28:32.110 |AppInfo | ClusterMgr::wait_SearchReq Sending Search signal with TransID [43] to Cluster [99a15a05-1cb3-4d8f-9d55-0ec097da47cc]

00004380.003 |07:28:32.110 |AppInfo |<--ClusterMgr::wait_SearchReq

00004381.000 |07:28:32.110 |SdlSig |SearchReq |wait
|Cluster(1,600,31,2) |ClusterMgr(1,600,28,1) |1,600,14,63.2^***

|*TraceFlagOverrode

00004381.001 |07:28:32.110 |AppInfo |-->Cluster::wait_SearchReq

00004381.002 |07:28:32.110 |AppInfo |<--Cluster::wait_SearchReq

00004382.000 |07:28:32.110 |SdlSig |SearchRsp |wait
|ClusterMgr(1,600,28,1) |Cluster(1,600,31,2) |1,600,14,63.2^***

|*TraceFlagOverrode

00004382.001 |07:28:32.110 |AppInfo |-->ClusterMgr::wait_SearchRsp

00004382.002 |07:28:32.110 |AppInfo |<--ClusterMgr::wait_SearchRsp

00004383.000 |07:28:32.110 |SdlSig |FileResponse |wait
|HTTPConnection(1,600,26,3) |ServeFile(1,600,22,1) |1,600,14,63.2^***

|*TraceFlagOverrode

00004383.001 |07:28:32.110 |AppInfo |-->HTTPConnection::wait_FileResponse

00004383.002 |07:28:32.110 |AppInfo | HTTPConnection::wait_FileResponse

HTTPConnection::wait_FileResponse - Requested file is Busy... Sending 503 response

00004383.003 |07:28:32.110 |AppInfo |<--HTTPConnection::wait_FileResponse

00004384.000 |07:28:32.110 |SdlSig |SearchRsp |wait
|ClusterGW(1,600,29,1) |ClusterMgr(1,600,28,1) |1,600,14,63.2^***

|*TraceFlagOverrode

00004384.001 |07:28:32.110 |AppInfo |-->SearchRspCb

07:28:32.110 || The response from teh remote cluster is received and we can see it states FileNotFound. This is expected as the leaf cluster is not in mixed mode.

00004384.002 |07:28:32.110 |AppInfo | SearchRspCb Received Search Query response from search engine

00004384.003 |07:28:32.110 |AppInfo |-->UpdateSearchRsp: Signal TransID[43]

00004384.004 |07:28:32.110 |AppInfo | UpdateSearchRsp: Signal TransID[43] SearchRsp received filename[CTLSEP2834A2823B58.tlv] result [1] transId [43] clusterId [99a15a05-1cb3-4d8f-9d55-0ec097da47cc]isStatic [0] DynamicFile []

00004384.005 |07:28:32.110 |AppInfo | UpdateSearchRsp: Signal TransID[43] Search req updated to CRMDB [CTLSEP2834A2823B58.tlv] [FileNotFound] [0] time taken [0] secs

00004384.006 |07:28:32.110 |AppInfo |<--UpdateSearchRsp: Signal TransID[43]

00004384.007 |07:28:32.110 |AppInfo |<--SearchRspCb

07:28:32.110 || SdlCloseRsp for the CTL SdlTCPConnection(1,600,14,63); however, this isn't closed at this time

00004385.000 |07:28:32.110 |SdlSig |SdlCloseRsp |wait
|HTTPConnection(1,600,26,3) |SdlTCPConnection(1,600,14,63) |1,600,14,63.2^***

|*TraceFlagOverrode

00004385.001 |07:28:32.110 |AppInfo |-->HTTPConnection::wait_SdlCloseRsp

00004385.002 |07:28:32.110 |AppInfo | HTTPConnection::wait_SdlCloseRsp Recieved CloseRsp from TcpConnectionPID-[1, 600, 14, 63]

00004385.003 |07:28:32.110 |AppInfo |<--HTTPConnection::wait_SdlCloseRsp

00004386.000 |07:28:32.110 |SdlSig |UpdateReqCount |listening
|HTTPServer(1,600,25,1) |HTTPConnection(1,600,26,3) |1,600,14,63.2^***

|*TraceFlagOverrode

00004386.001 |07:28:32.110 |AppInfo |HTTPServer::listening_UpdateReqCount - Printing the PID of sender = [1, 600, 26, 3]

00004386.002 |07:28:32.110 |AppInfo |HTTPServer::listening_throttle_UpdateReqCount - HTTPConnectionCount = 0, PersistentConnectionCount = 0

00004387.000 |07:28:32.738 |AppInfo |RequestPoller::pollForRequest(30), fd(24) Read Ready

00004388.000 |07:28:32.738 |AppInfo |-->TID[e71f5b70] TFTPENGINE::getRequest[0xf4d26318>(),
server socket(24)

07:28:32.738 || The TFTP service seems to do another search for the file

00004389.000 |07:28:32.738 |AppInfo | TID[e71f5b70] TFTPENGINE::getRequest[0xf4d26318>(),
server socket(24) INFO:: File Requested CTLSEP2834A2823B58.tlv
00004390.000 |07:28:32.738 |AppInfo |<--TID[e71f5b70] TFTPENGINE::getRequest[0xf4d26318>(),
server socket(24)
00004391.000 |07:28:32.738 |AppInfo | TID[e71f5b70] TFTPENGINE::recvMessage[0x892bfd8]()
sockets:24 CReqContext[0xf4d26318] Requested File[CTLSEP2834A2823B58.tlv]
00004392.000 |07:28:32.738 |AppInfo |TFTPENGINE::isReadRequest[0xf4d26318~5~192.0.2.11~51909],
[CTLSEP2834A2823B58.tlv] opcode(1), Mode(octet), Serving Count(0)
00004393.000 |07:28:32.738 |AppInfo | TID[e71f5b70] TFTPENGINE::recvMessage[0x892bfd8]()
sockets:24 count(00000), connect(0xf4d26318), nbytes(31)
00004394.000 |07:28:32.738 |AppInfo |TID[e71f5b70] CReqProcessThreads::processTftpReq(push
CReqContext[0xf4d26318])
00004395.000 |07:28:32.738 |AppInfo |-->TID[e71f5b70] MemPool::getFromMemPool()
00004396.000 |07:28:32.738 |AppInfo | TID[e71f5b70] MemPool::getFromMemPool() Element[6],
Buff[0xf4d26d18], used[1]
00004397.000 |07:28:32.738 |AppInfo |<--TID[e71f5b70] MemPool::getFromMemPool()
00004398.000 |07:28:32.738 |AppInfo |-->TID[f116fb70] CReqContext::TFTPProxyRun(),
[0xf4d26318~5~192.0.2.11~51909]
00004399.000 |07:28:32.738 |AppInfo |--
>TFTPENGINE::setupTransport[0xf4d26318~5~192.0.2.11~51909]
00004400.000 |07:28:32.739 |AppInfo |
TFTPENGINE::setupTransport[0xf4d26318~5~192.0.2.11~51909] TFTP IP_TOS conn sock dscp=96
00004401.000 |07:28:32.739 |AppInfo |<--
TFTPENGINE::setupTransport[0xf4d26318~5~192.0.2.11~51909]
00004402.000 |07:28:32.739 |AppInfo |-->CReqContext::tftp[0xf4d26318~5~192.0.2.11~51909]
00004403.000 |07:28:32.739 |AppInfo |CReqContext::CheckAndSetIsStatic(ctlsep2834a2823b58.tlv)
is (Not a Static) File
00004404.000 |07:28:32.739 |AppInfo |CReqContext::isCTLCAPFRequest[CTLSEP2834A2823B58.tlv] Not
a CTLCAPF File
00004405.000 |07:28:32.739 |AppInfo | CReqContext::tftp[0xf4d26318~5~192.0.2.11~51909]
HandleCTL: [CTLSEP2834A2823B58.tlv] is CTLSEPMac.tlv file, Searching[2834A2823B58]

07:28:32.739 || Once again we see Not found locally

00004406.000 |07:28:32.739 |AppInfo |TFTPENGINE::FindMatching(SEP2834A2823B58), Not Found
00004407.000 |07:28:32.739 |AppInfo | CReqContext::tftp[0xf4d26318~5~192.0.2.11~51909]
HandleCTL: Match[2834A2823B58] Not found locally
00004408.000 |07:28:32.739 |AppInfo
|CReqContext::checkAndHandleDiagReq[0xf4d26318~5~192.0.2.11~51909], File[CTLSEP2834A2823B58.tlv]
00004409.000 |07:28:32.739 |AppInfo | CReqContext::tftp[0xf4d26318~5~192.0.2.11~51909] Found
entry [CTLSEP2834A2823B58.tlv] in state[1] in CRMDB with count [0]
00004410.000 |07:28:32.739 |AppInfo |INFO: TFTPENGINE::sendNAK[0xf4d26318~5~192.0.2.11~51909],
File[CTLSEP2834A2823B58.tlv], Error(1)
00004411.000 |07:28:32.739 |AppInfo |<--CReqContext::tftp[0xf4d26318~5~192.0.2.11~51909]
00004412.000 |07:28:32.739 |AppInfo |<--TID[f116fb70] CReqContext::TFTPProxyRun(),
[0xf4d26318~5~192.0.2.11~51909]
00004413.000 |07:28:32.739 |AppInfo |TID[f116fb70]
CReqContext::~CReqContext[0xf4d26318~5~192.0.2.11~51909]destructor
00004414.000 |07:28:32.739 |AppInfo |TID[f116fb70] MemPool::putToMemPool(0xf4d26318)
m_element[5].Buff = [0xf4d26318]

07:28:32.946 || SdlConnectionInd for the phone connecting to request the ITL file

00004415.000 |07:28:32.946 |SdlSig |SdlConnectionInd |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,64) |1,600,12,1.44^***
|*TraceFlagOverrode


```

00004415.001 |07:28:32.946 |AppInfo |-->HTTPSERVER::listening_SdlConnectionInd
00004415.002 |07:28:32.946 |AppInfo |HTTPServer::listening_SdlConnection - Printing the sender
PID = [1, 600, 14, 64]
00004415.003 |07:28:32.946 |AppInfo |HTTPServer::handleConnection - Sending a Reassociate
Request to Reassociate the newly created HTTPConnectionInfo object to the network/client
00004415.004 |07:28:32.946 |AppInfo |HTTPServer::listening_SdlConnectionInd - Maximum serving
count for HTTP connection is = 2500
00004415.005 |07:28:32.946 |AppInfo |HTTPServer::listening_SdlConnectionInd -
HTTPConnectionCount = 1
00004415.006 |07:28:32.946 |AppInfo |<--HTTPSERVER::listening_SdlConnectionInd
00004416.000 |07:28:32.946 |SdlSig |SdlReassociateRsp |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,64) |1,600,12,1.44^**
|*TraceFlagOverrode
00004416.001 |07:28:32.946 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Reassociation
Successful
00004416.002 |07:28:32.946 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Printing the PID
of sender = [1, 600, 14, 64]
00004417.000 |07:28:32.946 |SdlSig |SdlReassociateInd |wait
|HTTPConnection(1,600,26,4) |SdlTCPConnection(1,600,14,64) |1,600,12,1.44^**
|*TraceFlagOverrode
00004417.001 |07:28:32.946 |AppInfo |-->HTTPConnection::wait_SdlReassociateInd
00004417.002 |07:28:32.946 |AppInfo | HTTPConnection::wait_SdlReassociateInd Received
ReassociateIndication from 192.0.2.11
00004417.003 |07:28:32.946 |AppInfo |<--HTTPConnection::wait_SdlReassociateInd
00004418.000 |07:28:32.946 |SdlSig |SdlDataInd |wait
|HTTPConnection(1,600,26,4) |SdlTCPConnection(1,600,14,64) |1,600,14,64.2^**
|*TraceFlagOverrode
00004418.001 |07:28:32.946 |AppInfo |-->HTTPConnection::wait_SdlDataInd
00004418.002 |07:28:32.946 |AppInfo | HTTPConnection::wait_SdlDataInd SdlDataInd received from
TcpPID-[1, 600, 14, 64]

```

07:28:32.946 || The phone requests it's ITL

```

00004418.003 |07:28:32.946 |AppInfo | HTTPConnection::wait_SdlDataInd Printing the
HTTPRequest : msgBuffer size [64] --: GET /ITLSEP2834A2823B58.tlv HTTP/1.1
Host:198.51.100.0:6970

00004418.004 |07:28:32.946 |AppInfo | HTTPConnection::wait_SdlDataInd Proxy Request- 0 ,
ITLSEP2834A2823B58.tlv
00004418.005 |07:28:32.946 |AppInfo | HTTPConnection::wait_SdlDataInd Decode successful -
Filename is : ITLSEP2834A2823B58.tlv
00004418.006 |07:28:32.946 |AppInfo | HTTPConnection::wait_SdlDataInd File request signal
sent to ServeFile process
00004418.007 |07:28:32.946 |AppInfo |<--HTTPConnection::wait_SdlDataInd
00004419.000 |07:28:32.946 |SdlSig |FileRequest |wait
|ServeFile(1,600,22,1) |HTTPConnection(1,600,26,4) |1,600,14,64.2^**
|*TraceFlagOverrode
00004419.001 |07:28:32.946 |AppInfo |-->ServeFile::wait_FileRequest
00004419.002 |07:28:32.946 |AppInfo | ServeFile::wait_FileRequest Received File request for
ITLSEP2834A2823B58.tlv with Request ID 44
00004419.003 |07:28:32.946 |AppInfo |-->ServeFile::validateFileName
00004419.004 |07:28:32.946 |AppInfo | ServeFile::validateFileName File Requested
ITLSEP2834A2823B58.tlv
00004419.005 |07:28:32.946 |AppInfo |<--ServeFile::validateFileName
00004419.006 |07:28:32.946 |AppInfo | ServeFile::wait_FileRequest File Validation Success and
the File to be Searched is ITLSEP2834A2823B58.tlv
00004419.007 |07:28:32.946 |AppInfo |-->ServeFile::CheckFileIsStatic
00004419.008 |07:28:32.946 |AppInfo | ServeFile::CheckFileIsStatic itlsep2834a2823b58.tlv is
(Not a Static) File
00004419.009 |07:28:32.946 |AppInfo |<--ServeFile::CheckFileIsStatic
00004419.010 |07:28:32.946 |AppInfo | ServeFile::wait_FileRequest Sending the FileRequest
signal to ProcessServeDynamicFile process

```

```
00004419.011 |07:28:32.946 |AppInfo |<--ServeFile::wait_FileRequest
00004420.000 |07:28:32.946 |SdlSig |FileRequest |wait
|ServeDynamicFile(1,600,23,1) |ServeFile(1,600,22,1) |1,600,14,64.2^***
|*TraceFlagOverrode
00004420.001 |07:28:32.946 |AppInfo |-->ServeDynamicFile::wait_FileRequest
00004420.002 |07:28:32.946 |AppInfo | ServeDynamicFile::wait_FileRequest Received File
request for the dynamic file ITLSEP2834A2823B58.tlv
00004420.003 |07:28:32.946 |AppInfo |-->ServeDynamicFile::isCTLCAPFRequest
00004420.004 |07:28:32.946 |AppInfo | ServeDynamicFile::isCTLCAPFRequest
[ITLSEP2834A2823B58.tlv] is Not a CTLCAPF File
00004420.005 |07:28:32.946 |AppInfo |<--ServeDynamicFile::isCTLCAPFRequest
```

07:28:32.946 || We see "Not found locally" for the ITL as well

```
00004420.006 |07:28:32.946 |AppInfo | ServeDynamicFile::wait_FileRequest HandleITL:
[ITLSEP2834A2823B58.tlv] is ITLSEPMac.tlv file, Searching[2834A2823B58]
00004420.007 |07:28:32.946 |AppInfo |TFTPCache::FindMatching(SEP2834A2823B58), Not Found
00004420.008 |07:28:32.946 |AppInfo | ServeDynamicFile::wait_FileRequest HandleITL:
Match[ITLSEP2834A2823B58.tlv] Not found locally
00004420.009 |07:28:32.946 |AppInfo |-->ServeDynamicFile::FindAndServe
00004420.010 |07:28:32.946 |AppInfo |[ITLSEP2834A2823B58.tlv] file not found. Checking
[ITLSEP2834A2823B58.tlv.sgn] to strip from
00004420.011 |07:28:32.946 |AppInfo | ServeDynamicFile::FindAndServe File Not Found - 404 -
Failure
00004420.012 |07:28:32.946 |AppInfo |<--ServeDynamicFile::FindAndServe
00004420.013 |07:28:32.946 |AppInfo | ServeDynamicFile::wait_FileRequest ID not found for the
request... Sending File Not Found
00004420.014 |07:28:32.946 |AppInfo |<--ServeDynamicFile::wait_FileRequest
00004421.000 |07:28:32.946 |SdlSig |FileResponse |wait
|ServeFile(1,600,22,1) |ServeDynamicFile(1,600,23,1) |1,600,14,64.2^***
|*TraceFlagOverrode
00004421.001 |07:28:32.946 |AppInfo |-->ServeFile::wait_FileResponse
00004421.002 |07:28:32.946 |AppInfo | ServeFile::wait_FileResponse File Response signal
received by ServeFile process
```

07:28:32.946 || Again TFTP checks for remote TFTP clusters

```
00004421.003 |07:28:32.946 |AppInfo | ServeFile::wait_FileResponse FileStatus : 0 --
OffClusters Configured : 1
00004421.004 |07:28:32.946 |AppInfo | ServeFile::wait_FileResponse OffClusters are
configured. Have to search in off-cluster
00004421.005 |07:28:32.946 |AppInfo |-->ServeFile::searchFileInOffCluster
00004421.006 |07:28:32.946 |AppInfo | ServeFile::searchFileInOffCluster FileName =
ITLSEP2834A2823B58.tlv
00004421.007 |07:28:32.946 |AppInfo | ServeFile::searchFileInOffCluster RequestID = 44
00004421.008 |07:28:32.946 |AppInfo | ServeFile::searchFileInOffCluster IsStatic = 0
00004421.009 |07:28:32.946 |AppInfo | ServeFile::searchFileInOffCluster Found entry
[ITLSEP2834A2823B58.tlv] in state[15] in CRMDB with count [0]
```

07:28:32.946 || The request is sent to ClusterGWapi

```
00004421.010 |07:28:32.946 |AppInfo | ServeFile::searchFileInOffCluster File
[ITLSEP2834A2823B58.tlv] Found in CRMDB. Sending ServeReq Signal to ClusterGWapi.
00004421.011 |07:28:32.946 |AppInfo | ServeFile::searchFileInOffCluster Saved ConReq
[0xed605458]. Sending New ServeReq signal with TransID [44] to ClusterGWapi
00004421.012 |07:28:32.946 |AppInfo |-->ClusterGWapi::serveReq
00004421.013 |07:28:32.946 |AppInfo | ClusterGWapi::serveReq Sending the ServeReq signal with
trans ID [44] to ClusterGW.
00004421.014 |07:28:32.946 |AppInfo |<--ClusterGWapi::serveReq
00004421.015 |07:28:32.946 |AppInfo |<--ServeFile::searchFileInOffCluster
00004421.016 |07:28:32.946 |AppInfo |<--ServeFile::wait_FileResponse
```

```
00004422.000 |07:28:32.946 |SdlSig |ServeReq |wait
|ClusterMgr(1,600,28,1) |ClusterGW(1,600,29,1) |1,600,14,64.2^***
|*TraceFlagOverrode
00004422.001 |07:28:32.946 |AppInfo |-->ClusterMgr::wait_ServeReq
```

07:28:32.946 || The pkid for the remote cluster is listed as the cluster where the search is delivered to

```
00004422.002 |07:28:32.946 |AppInfo | ClusterMgr::wait_ServeReq Sending ServeReq signal with
TransID [44] to Cluster [99a15a05-1cb3-4d8f-9d55-0ec097da47cc]
00004422.003 |07:28:32.946 |AppInfo |<--ClusterMgr::wait_ServeReq
00004423.000 |07:28:32.946 |SdlSig |ServeReq |wait
|Cluster(1,600,31,2) |ClusterMgr(1,600,28,1) |1,600,14,64.2^***
|*TraceFlagOverrode
00004423.001 |07:28:32.946 |AppInfo |-->Cluster::wait_ServeReq
00004423.002 |07:28:32.946 |AppInfo |<--Cluster::wait_ServeReq
00004424.000 |07:28:32.947 |SdlSig |SdlReadRsp |searching
|ClusterClient(1,600,30,11) |SdlTCPConnection(1,600,14,14) |1,600,14,14.33^***
|*TraceFlagOverrode
00004424.001 |07:28:32.947 |AppInfo |-->ClusterClient::searching_SdlReadRsp
```

07:28:32.947 || We see a 200 OK

```
00004424.002 |07:28:32.947 |AppInfo | ClusterClient::searching_SdlReadRsp
ClusterClient_searching_SdlReadRsp: Contents of msgBuffer is HTTP/1.1 200 OK
Content-length: 8003
Cache-Control: no-store
Content-type: */*
00004424.003 |07:28:32.947 |AppInfo |-->ClusterClient::decodeHttpHdr
```

07:28:32.947 || The file is written to /usr/local/cm/tftp/tftpcache/

```
00004424.004 |07:28:32.947 |AppInfo | ClusterClient::decodeHttpHdr SERVE_QUERY: Writing
Dynamic file to location [/usr/local/cm/tftp/tftpcache/ITLSEP2834A2823B58.tlv.44]
00004424.005 |07:28:32.947 |AppInfo |<--ClusterClient::decodeHttpHdr
00004424.006 |07:28:32.947 |AppInfo |<--ClusterClient::searching_SdlReadRsp
00004425.000 |07:28:32.947 |SdlSig |WriteReq |wait
|Writer(1,600,20,1) |WriterMgr(1,600,19,1) |1,600,14,14.33^***
|*TraceFlagOverrode
00004425.001 |07:28:32.947 |AppInfo |-->WriteReq::wait_WriteReq
00004426.000 |07:28:32.947 |SdlSig |SdlReadRsp |searching
|ClusterClient(1,600,30,11) |SdlTCPConnection(1,600,14,14) |1,600,14,14.34^***
|*TraceFlagOverrode
00004426.001 |07:28:32.947 |AppInfo |-->ClusterClient::searching_SdlReadRsp
```

07:28:32.947 || the content is decoded

```
00004426.002 |07:28:32.947 |AppInfo |-->ClusterClient::decodeHttpContent
00004426.003 |07:28:32.947 |AppInfo |sendServeRsp to [1.600.31.2], result[15], transId[44],
filename[ITLSEP2834A2823B58.tlv], clusterId[192.0.2.12(99a15a05-1cb3-4d8f-9d55-
0ec097da47cc)],prevResult[0],Protocoltype [1]
00004426.004 |07:28:32.947 |AppInfo |<--ClusterClient::decodeHttpContent
00004426.005 |07:28:32.947 |AppInfo |<--ClusterClient::searching_SdlReadRsp
00004427.000 |07:28:32.947 |SdlSig |ServeRsp |wait
|Cluster(1,600,31,2) |ClusterClient(1,600,30,11) |1,600,14,14.34^***
|*TraceFlagOverrode
00004427.001 |07:28:32.947 |AppInfo |-->Cluster::recvServeRsp
00004427.002 |07:28:32.947 |AppInfo |<--Cluster::recvServeRsp
00004428.000 |07:28:32.947 |SdlSig |ServeRsp |wait
|ClusterMgr(1,600,28,1) |Cluster(1,600,31,2) |1,600,14,14.34^***
```

```

|*TraceFlagOverrode
00004428.001 |07:28:32.947 |AppInfo |-->ClusterMgr::wait_ServeRsp
00004428.002 |07:28:32.947 |AppInfo | ClusterMgr::wait_ServeRsp File found for the ServeReq
with TransID [44] in Cluster [99a15a05-1cb3-4d8f-9d55-0ec097da47cc]
00004428.003 |07:28:32.947 |AppInfo |<--ClusterMgr::wait_ServeRsp
00004425.002 |07:28:32.947 |AppInfo |<--WriteReq::wait_WriteReq
00004429.000 |07:28:32.947 |SdlSig |WriteReq |wait
|Writer(1,600,20,1) |WriterMgr(1,600,19,1) |1,600,14,14.34^***
|*TraceFlagOverrode
00004429.001 |07:28:32.947 |AppInfo |-->WriteReq::wait_WriteReq
00004429.002 |07:28:32.947 |AppInfo |<--WriteReq::wait_WriteReq
00004430.000 |07:28:32.947 |SdlSig |WriteReq |wait
|Writer(1,600,20,1) |WriterMgr(1,600,19,1) |1,600,14,14.34^***
|*TraceFlagOverrode
00004430.001 |07:28:32.947 |AppInfo |-->WriteReq::wait_WriteReq
00004430.002 |07:28:32.947 |AppInfo |sendServeRsp from writerThread to clusterGw, result[15],
transId[44], filename[ITLSEP2834A2823B58.tlv], clusterId[99a15a05-1cb3-4d8f-9d55-0ec097da47cc],
ProtocolType[1]
00004430.003 |07:28:32.947 |AppInfo |<--WriteReq::wait_WriteReq
00004431.000 |07:28:32.947 |SdlSig |ServeRsp |wait
|ClusterGW(1,600,29,1) |Writer(1,600,20,1) |1,600,14,14.34^***
|*TraceFlagOverrode
00004431.001 |07:28:32.947 |AppInfo |-->SearchRspCb
00004431.002 |07:28:32.947 |AppInfo | SearchRspCb Received Serve Query response from search
engine
00004431.003 |07:28:32.947 |AppInfo | SearchRspCb ProtocolValue = 1
00004431.004 |07:28:32.947 |AppInfo |-->ReceivedServeRsp: Signal TransID[44]
00004431.005 |07:28:32.947 |AppInfo | ReceivedServeRsp: Signal TransID[44] Dynamic Filename
[/usr/local/cm/tftp/tftpcache/ITLSEP2834A2823B58.tlv.44]
00004431.006 |07:28:32.947 |AppInfo | ReceivedServeRsp: Signal TransID[44] File Found - 200 -
Success
00004431.007 |07:28:32.947 |AppInfo | ReceivedServeRsp: Signal TransID[44] FileResponse
Signal sent to connection object
00004431.008 |07:28:32.947 |AppInfo |<--ReceivedServeRsp: Signal TransID[44]
00004431.009 |07:28:32.947 |AppInfo |<--SearchRspCb
00004432.000 |07:28:32.947 |SdlSig |FileResponse |wait
|HTTPConnection(1,600,26,4) |ServeFile(1,600,22,1) |1,600,14,14.34^***
|*TraceFlagOverrode
00004432.001 |07:28:32.947 |AppInfo |-->HTTPConnection::wait_FileResponse

```

07:28:32.947 || The Proxy TFTP sends the ITL file to the phone.

```

00004432.002 |07:28:32.947 |AppInfo | HTTPConnection::wait_FileResponse Requested file
FOUND... Sending file Response
00004432.003 |07:28:32.947 |AppInfo | HTTPConnection::wait_FileResponse Skip envelope is
false or this is not a static file request, serving file
[/usr/local/cm/tftp/tftpcache/ITLSEP2834A2823B58.tlv.44]
00004432.004 |07:28:32.947 |AppInfo |<--HTTPConnection::wait_FileResponse
00004433.000 |07:28:32.947 |SdlSig |SdlSendfileRsp |wait
|HTTPConnection(1,600,26,4) |SdlTCPConnection(1,600,14,64) |1,600,14,64.3^***
|*TraceFlagOverrode
00004433.001 |07:28:32.947 |AppInfo |-->HTTPConnection::wait_SdlSendfileRsp
00004433.002 |07:28:32.947 |AppInfo |<--HTTPConnection::wait_SdlSendfileRsp

```

07:28:33.560 || SdlCloseInd closing the connection for the ITL requestSdlTCPConnection(1,600,14,64)

```

00004434.000 |07:28:33.560 |SdlSig |SdlCloseInd |wait
|HTTPConnection(1,600,26,4) |SdlTCPConnection(1,600,14,64) |1,600,14,64.4^***
|*TraceFlagOverrode
00004434.001 |07:28:33.560 |AppInfo |-->HTTPConnection::wait_SdlCloseInd
00004434.002 |07:28:33.560 |AppInfo | HTTPConnection::wait_SdlCloseInd Recieved CloseInd from

```

```
TcpConnectionPID-[1, 600, 14, 64]
00004434.003 |07:28:33.560 |AppInfo |<--HTTPConnection::wait_SdlCloseInd
00004435.000 |07:28:33.560 |SdlSig |UpdateReqCount |listening
|HTTPServer(1,600,25,1) |HTTPConnection(1,600,26,4) |1,600,14,64.4^***
|*TraceFlagOverrode
00004435.001 |07:28:33.560 |AppInfo |HTTPServer::listening_UpdateReqCount - Printing the PID of
sender = [1, 600, 26, 4]
00004435.002 |07:28:33.560 |AppInfo |HTTPServer::listening_throttle_UpdateReqCount -
HTTPConnectionCount = 0, PersistentConnectionCount = 0
```

**##### 07:28:34.615 || SdlConnectionInd for the phone connecting to request the config file
SdlTCPConnection(1,600,14,65)**

```
00004436.000 |07:28:34.615 |SdlSig |SdlConnectionInd |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,65) |1,600,12,1.45^***
|*TraceFlagOverrode
00004436.001 |07:28:34.615 |AppInfo |-->HTTPSERVER::listening_SdlConnectionInd
00004436.002 |07:28:34.615 |AppInfo |HTTPServer::listening_SdlConnection - Printing the sender
PID = [1, 600, 14, 65]
00004436.003 |07:28:34.615 |AppInfo |HTTPServer::handleConnection - Sending a Reassociate
Request to Reassociate the newly created HTTPConnectionInfo object to the network/client
00004436.004 |07:28:34.615 |AppInfo |HTTPServer::listening_SdlConnectionInd - Maximum serving
count for HTTP connection is = 2500
00004436.005 |07:28:34.615 |AppInfo |HTTPServer::listening_SdlConnectionInd -
HTTPConnectionCount = 1
00004436.006 |07:28:34.615 |AppInfo |<--HTTPSERVER::listening_SdlConnectionInd
00004437.000 |07:28:34.615 |SdlSig |SdlReassociateRsp |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,65) |1,600,12,1.45^***
|*TraceFlagOverrode
00004437.001 |07:28:34.615 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Reassociation
Successfull
00004437.002 |07:28:34.615 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Printing the PID
of sender = [1, 600, 14, 65]
00004438.000 |07:28:34.615 |SdlSig |SdlReassociateInd |wait
|HTTPConnection(1,600,26,5) |SdlTCPConnection(1,600,14,65) |1,600,12,1.45^***
|*TraceFlagOverrode
00004438.001 |07:28:34.615 |AppInfo |-->HTTPConnection::wait_SdlReassociateInd
00004438.002 |07:28:34.615 |AppInfo | HTTPConnection::wait_SdlReassociateInd Received
ReassociateIndication from 192.0.2.11
00004438.003 |07:28:34.615 |AppInfo |<--HTTPConnection::wait_SdlReassociateInd
00004439.000 |07:28:34.615 |SdlSig |SdlDataInd |wait
|HTTPConnection(1,600,26,5) |SdlTCPConnection(1,600,14,65) |1,600,14,65.2^***
|*TraceFlagOverrode
00004439.001 |07:28:34.615 |AppInfo |-->HTTPConnection::wait_SdlDataInd
00004439.002 |07:28:34.615 |AppInfo | HTTPConnection::wait_SdlDataInd SdlDataInd received from
TcpPID-[1, 600, 14, 65]
```

07:28:34.615 || The phone requests it's config file

```
00004439.003 |07:28:34.615 |AppInfo | HTTPConnection::wait_SdlDataInd Printing the
HTTPRequest : msgBuffer size [69] --: GET /SEP2834A2823B58.cnf.xml.sgn HTTP/1.1
Host:198.51.100.0:6970

00004439.004 |07:28:34.615 |AppInfo | HTTPConnection::wait_SdlDataInd Proxy Request- 0 ,
SEP2834A2823B58.cnf.xml.sgn
00004439.005 |07:28:34.615 |AppInfo | HTTPConnection::wait_SdlDataInd Decode successful -
Filename is : SEP2834A2823B58.cnf.xml.sgn
00004439.006 |07:28:34.615 |AppInfo | HTTPConnection::wait_SdlDataInd File request signal
sent to ServeFile process
00004439.007 |07:28:34.615 |AppInfo |<--HTTPConnection::wait_SdlDataInd
00004440.000 |07:28:34.615 |SdlSig |FileRequest |wait
```

```

|ServeFile(1,600,22,1)          |HTTPConnection(1,600,26,5)      |1,600,14,65.2^**^*
|*TraceFlagOverrode
00004440.001 |07:28:34.615 |AppInfo |-->ServeFile::wait_FileRequest
00004440.002 |07:28:34.616 |AppInfo | ServeFile::wait_FileRequest Received File request for
SEP2834A2823B58.cnf.xml.sgn with Request ID 45
00004440.003 |07:28:34.616 |AppInfo |-->ServeFile::validateFileName
00004440.004 |07:28:34.616 |AppInfo | ServeFile::validateFileName File Requested
SEP2834A2823B58.cnf.xml.sgn
00004440.005 |07:28:34.616 |AppInfo |<--ServeFile::validateFileName
00004440.006 |07:28:34.616 |AppInfo | ServeFile::wait_FileRequest File Validation Success and
the File to be Searched is SEP2834A2823B58.cnf.xml.sgn
00004440.007 |07:28:34.616 |AppInfo |-->ServeFile::CheckFileIsStatic
00004440.008 |07:28:34.616 |AppInfo | ServeFile::CheckFileIsStatic
sep2834a2823b58.cnf.xml.sgn is (Not a Static) File
00004440.009 |07:28:34.616 |AppInfo |<--ServeFile::CheckFileIsStatic
00004440.010 |07:28:34.616 |AppInfo | ServeFile::wait_FileRequest Sending the FileRequest
signal to ProcessServeDynamicFile process
00004440.011 |07:28:34.616 |AppInfo |<--ServeFile::wait_FileRequest
00004441.000 |07:28:34.616 |SdlSig |FileRequest |wait
|ServeDynamicFile(1,600,23,2) |ServeFile(1,600,22,1) |1,600,14,65.2^**^*
|*TraceFlagOverrode
00004441.001 |07:28:34.616 |AppInfo |-->ServeDynamicFile::wait_FileRequest
00004441.002 |07:28:34.616 |AppInfo | ServeDynamicFile::wait_FileRequest Received File
request for the dynamic file SEP2834A2823B58.cnf.xml.sgn
00004441.003 |07:28:34.616 |AppInfo |-->ServeDynamicFile::isCTLCAPFRequest
00004441.004 |07:28:34.616 |AppInfo | ServeDynamicFile::isCTLCAPFRequest
[SEP2834A2823B58.cnf.xml.sgn] is Not a CTLCAPF File
00004441.005 |07:28:34.616 |AppInfo |<--ServeDynamicFile::isCTLCAPFRequest
00004441.006 |07:28:34.616 |AppInfo | ServeDynamicFile::wait_FileRequest Requested File is :
[sep2834a2823b58.cnf.xml.sgn]
00004441.007 |07:28:34.616 |AppInfo |-->ServeDynamicFile::retrieveTypeOfRequest
00004441.008 |07:28:34.616 |AppInfo | ServeDynamicFile::retrieveTypeOfRequest Request is for
XML signed Config File
00004441.009 |07:28:34.616 |AppInfo | ServeDynamicFile::retrieveTypeOfRequest File Requested
is : [sep2834a2823b58.cnf.xml.sgn]
00004441.010 |07:28:34.616 |AppInfo |<--ServeDynamicFile::retrieveTypeOfRequest
00004441.011 |07:28:34.616 |AppInfo | ServeDynamicFile::wait_FileRequest Type of Request is :
[2]
00004441.012 |07:28:34.616 |AppInfo |-->CServiceModule::getDeviceNameFromRequest
00004441.013 |07:28:34.616 |AppInfo | CServiceModule::getDeviceNameFromRequest File name
after stripping off the extensions = sep2834a2823b58
00004441.014 |07:28:34.616 |AppInfo |<--CServiceModule::getDeviceNameFromRequest
00004441.015 |07:28:34.616 |AppInfo |-->CServiceModule::getIDForRequest
00004441.016 |07:28:34.616 |AppInfo | CServiceModule::getIDForRequest Unable to find device
in DB = sep2834a2823b58
00004441.017 |07:28:34.616 |AppInfo |<--CServiceModule::getIDForRequest
00004441.018 |07:28:34.616 |AppInfo |-->ServeDynamicFile::FindAndServe

##### 07:28:34.616 || The proxy TFTP service lets us know the phone's config file isn't found;
however, this time it doesn't state Not found locally
00004441.019 |07:28:34.616 |AppInfo | ServeDynamicFile::FindAndServe File Not Found - 404 -
Failure
00004441.020 |07:28:34.616 |AppInfo |<--ServeDynamicFile::FindAndServe
00004441.021 |07:28:34.616 |AppInfo | ServeDynamicFile::wait_FileRequest ID not found for the
request... Sending File Not Found
00004441.022 |07:28:34.616 |AppInfo |<--ServeDynamicFile::wait_FileRequest
00004442.000 |07:28:34.616 |SdlSig |FileResponse |wait
|ServeFile(1,600,22,1)          |ServeDynamicFile(1,600,23,2) |1,600,14,65.2^**^*
|*TraceFlagOverrode
00004442.001 |07:28:34.616 |AppInfo |-->ServeFile::wait_FileResponse
00004442.002 |07:28:34.616 |AppInfo | ServeFile::wait_FileResponse File Response signal
received by ServeFile process

```

07:28:34.616 || The TFTP service checks for remote TFTP servers

```
00004442.003 |07:28:34.616 |AppInfo | ServeFile::wait_FileResponse FileStatus : 0 --
OffClusters Configured : 1
00004442.004 |07:28:34.616 |AppInfo | ServeFile::wait_FileResponse OffClusters are
configured. Have to search in off-cluster
00004442.005 |07:28:34.616 |AppInfo |-->ServeFile::searchFileInOffCluster
00004442.006 |07:28:34.616 |AppInfo | ServeFile::searchFileInOffCluster FileName =
SEP2834A2823B58.cnf.xml.sgn
00004442.007 |07:28:34.616 |AppInfo | ServeFile::searchFileInOffCluster RequestID = 45
00004442.008 |07:28:34.616 |AppInfo | ServeFile::searchFileInOffCluster IsStatic = 0
00004442.009 |07:28:34.616 |AppInfo | ServeFile::searchFileInOffCluster Found entry
[SEP2834A2823B58.cnf.xml.sgn] in state[15] in CRMDB with count [0]
```

07:28:34.616 || The request is sent to the ClusterGWApi

```
00004442.010 |07:28:34.616 |AppInfo | ServeFile::searchFileInOffCluster File
[SEP2834A2823B58.cnf.xml.sgn] Found in CRMDB. Sending ServeReq Signal to ClusterGWApi.
00004442.011 |07:28:34.616 |AppInfo | ServeFile::searchFileInOffCluster Saved ConReq
[0xed605458]. Sending New ServeReq signal with TransID [45] to ClusterGWApi
00004442.012 |07:28:34.616 |AppInfo |-->ClusterGWApi::serveReq
00004442.013 |07:28:34.616 |AppInfo | ClusterGWApi::serveReq Sending the ServeReq signal with
trans ID [45] to ClusterGW.
00004442.014 |07:28:34.616 |AppInfo |<--ClusterGWApi::serveReq
00004442.015 |07:28:34.616 |AppInfo |<--ServeFile::searchFileInOffCluster
00004442.016 |07:28:34.616 |AppInfo |<--ServeFile::wait_FileResponse
00004443.000 |07:28:34.616 |SdlSig |ServeReq |wait
|ClusterMgr(1,600,28,1) |ClusterGW(1,600,29,1) |1,600,14,65.2^***
|*TraceFlagOverrode
00004443.001 |07:28:34.616 |AppInfo |-->ClusterMgr::wait_ServeReq
```

07:28:34.616 || The pkid for the remote cluster is listed as the cluster where the search is delivered to

```
00004443.002 |07:28:34.616 |AppInfo | ClusterMgr::wait_ServeReq Sending ServeReq signal with
TransID [45] to Cluster [99a15a05-1cb3-4d8f-9d55-0ec097da47cc]
00004443.003 |07:28:34.616 |AppInfo |<--ClusterMgr::wait_ServeReq
00004444.000 |07:28:34.616 |SdlSig |ServeReq |wait
|Cluster(1,600,31,2) |ClusterMgr(1,600,28,1) |1,600,14,65.2^***
|*TraceFlagOverrode
00004444.001 |07:28:34.616 |AppInfo |-->Cluster::wait_ServeReq
00004444.002 |07:28:34.616 |AppInfo |<--Cluster::wait_ServeReq
00004445.000 |07:28:34.624 |SdlSig |SdlReadRsp |searching
|ClusterClient(1,600,30,11) |SdlTCPConnection(1,600,14,14) |1,600,14,14.35^***
|*TraceFlagOverrode
00004445.001 |07:28:34.624 |AppInfo |-->ClusterClient::searching_SdlReadRsp
```

07:28:34.624 || We see a 200 OK

```
00004445.002 |07:28:34.624 |AppInfo | ClusterClient::searching_SdlReadRsp
ClusterClient_searching_SdlReadRsp: Contents of msgBuffer is HTTP/1.1 200 OK
Content-length: 12952
Cache-Control: no-store
Content-type: */*
```

```
00004445.003 |07:28:34.624 |AppInfo |-->ClusterClient::decodeHttpHdr
```

07:28:34.624 || The file is written to /usr/local/cm/tftp/tftpcache/

```
00004445.004 |07:28:34.624 |AppInfo | ClusterClient::decodeHttpHdr SERVE_QUERY: Writing
Dynamic file to location [/usr/local/cm/tftp/tftpcache/SEP2834A2823B58.cnf.xml.sgn.45]
00004445.005 |07:28:34.624 |AppInfo |<--ClusterClient::decodeHttpHdr
00004445.006 |07:28:34.624 |AppInfo |<--ClusterClient::searching_SdlReadRsp
00004446.000 |07:28:34.624 |SdlSig |WriteReq |wait
|Writer(1,600,20,1) |WriterMgr(1,600,19,1) |1,600,14,14.35^***
|*TraceFlagOverrode
00004446.001 |07:28:34.624 |AppInfo |-->WriteReq::wait_WriteReq
00004446.002 |07:28:34.624 |AppInfo |<--WriteReq::wait_WriteReq
00004447.000 |07:28:34.624 |SdlSig |SdlReadRsp |searching
|ClusterClient(1,600,30,11) |SdlTCPConnection(1,600,14,14) |1,600,14,14.36^***
|*TraceFlagOverrode
00004447.001 |07:28:34.624 |AppInfo |-->ClusterClient::searching_SdlReadRsp
```

07:28:34.624 || the content is decoded

```
00004447.002 |07:28:34.624 |AppInfo |-->ClusterClient::decodeHttpContent
00004447.003 |07:28:34.624 |AppInfo |sendServerSp to [1.600.31.2], result[15], transId[45],
filename[SEP2834A2823B58.cnf.xml.sgn], clusterId[192.0.2.12(99a15a05-1cb3-4d8f-9d55-
0ec097da47cc)],prevResult[0],ProtocolType [1]
00004447.004 |07:28:34.624 |AppInfo |<--ClusterClient::decodeHttpContent
00004447.005 |07:28:34.624 |AppInfo |<--ClusterClient::searching_SdlReadRsp
00004448.000 |07:28:34.624 |SdlSig |ServerSp |wait
|Cluster(1,600,31,2) |ClusterClient(1,600,30,11) |1,600,14,14.36^***
|*TraceFlagOverrode
00004448.001 |07:28:34.624 |AppInfo |-->Cluster::recvServerSp
00004448.002 |07:28:34.624 |AppInfo |<--Cluster::recvServerSp
00004449.000 |07:28:34.624 |SdlSig |ServerSp |wait
|ClusterMgr(1,600,28,1) |Cluster(1,600,31,2) |1,600,14,14.36^***
|*TraceFlagOverrode
00004449.001 |07:28:34.624 |AppInfo |-->ClusterMgr::wait_ServerSp
00004449.002 |07:28:34.624 |AppInfo | ClusterMgr::wait_ServerSp File found for the ServerReq
with TransID [45] in Cluster [99a15a05-1cb3-4d8f-9d55-0ec097da47cc]
00004449.003 |07:28:34.624 |AppInfo |<--ClusterMgr::wait_ServerSp
00004450.000 |07:28:34.624 |SdlSig |WriteReq |wait
|Writer(1,600,20,1) |WriterMgr(1,600,19,1) |1,600,14,14.36^***
|*TraceFlagOverrode
00004450.001 |07:28:34.624 |AppInfo |-->WriteReq::wait_WriteReq
00004450.002 |07:28:34.624 |AppInfo |<--WriteReq::wait_WriteReq
00004451.000 |07:28:34.624 |SdlSig |WriteReq |wait
|Writer(1,600,20,1) |WriterMgr(1,600,19,1) |1,600,14,14.36^***
|*TraceFlagOverrode
00004451.001 |07:28:34.624 |AppInfo |-->WriteReq::wait_WriteReq
00004451.002 |07:28:34.624 |AppInfo |sendServerSp from writerThread to clusterGw, result[15],
transId[45], filename[SEP2834A2823B58.cnf.xml.sgn], clusterId[99a15a05-1cb3-4d8f-9d55-
0ec097da47cc], ProtocolType[1]
00004451.003 |07:28:34.624 |AppInfo |<--WriteReq::wait_WriteReq
00004452.000 |07:28:34.624 |SdlSig |ServerSp |wait
|ClusterGW(1,600,29,1) |Writer(1,600,20,1) |1,600,14,14.36^***
|*TraceFlagOverrode
00004452.001 |07:28:34.624 |AppInfo |-->SearchRspCb
00004452.002 |07:28:34.624 |AppInfo | SearchRspCb Received Serve Query response from search
engine
00004452.003 |07:28:34.624 |AppInfo | SearchRspCb ProtocolValue = 1
00004452.004 |07:28:34.624 |AppInfo |-->ReceivedServerSp: Signal TransID[45]
00004452.005 |07:28:34.624 |AppInfo | ReceivedServerSp: Signal TransID[45] Dynamic Filename
[/usr/local/cm/tftp/tftpcache/SEP2834A2823B58.cnf.xml.sgn.45]
00004452.006 |07:28:34.624 |AppInfo | ReceivedServerSp: Signal TransID[45] File Found - 200 -
Success
00004452.007 |07:28:34.624 |AppInfo | ReceivedServerSp: Signal TransID[45] FileResponse
Signal sent to connection object
```



```
00004452.008 |07:28:34.624 |AppInfo |<--ReceivedServerSp: Signal TransID[45]
00004452.009 |07:28:34.624 |AppInfo |<--SearchRspCb
```

07:28:34.625 || The Proxy TFTP sends the file to the phone

```
00004453.000 |07:28:34.625 |SdlSig |FileResponse |wait
|HTTPConnection(1,600,26,5) |ServeFile(1,600,22,1) |1,600,14,14.36^*^*
|*TraceFlagOverrode
00004453.001 |07:28:34.625 |AppInfo |-->HTTPConnection::wait_FileResponse
00004453.002 |07:28:34.625 |AppInfo | HTTPConnection::wait_FileResponse Requested file
FOUND... Sending file Response
00004453.003 |07:28:34.625 |AppInfo | HTTPConnection::wait_FileResponse Skip envelope is
false or this is not a static file request, serving file
[/usr/local/cm/tftp/tftpcache/SEP2834A2823B58.cnf.xml.sgn.45]
00004453.004 |07:28:34.625 |AppInfo |<--HTTPConnection::wait_FileResponse
00004454.000 |07:28:34.625 |SdlSig |SdlSendfileRsp |wait
|HTTPConnection(1,600,26,5) |SdlTCPConnection(1,600,14,65) |1,600,14,65.3^*^*
|*TraceFlagOverrode
00004454.001 |07:28:34.625 |AppInfo |-->HTTPConnection::wait_SdlSendfileRsp
00004454.002 |07:28:34.625 |AppInfo |<--HTTPConnection::wait_SdlSendfileRsp
```

07:28:35.110 || SdlCloseInd closing the connection for the CNF request

```
SdlTCPConnection(1,600,14,65)
00004455.000 |07:28:35.110 |SdlSig |SdlCloseInd |wait
|HTTPConnection(1,600,26,5) |SdlTCPConnection(1,600,14,65) |1,600,14,65.4^*^*
|*TraceFlagOverrode
00004455.001 |07:28:35.110 |AppInfo |-->HTTPConnection::wait_SdlCloseInd
00004455.002 |07:28:35.110 |AppInfo | HTTPConnection::wait_SdlCloseInd Recieved CloseInd from
TcpConnectionPID-[1, 600, 14, 65]
00004455.003 |07:28:35.110 |AppInfo |<--HTTPConnection::wait_SdlCloseInd
00004456.000 |07:28:35.110 |SdlSig |UpdateReqCount |listening
|HTTPServer(1,600,25,1) |HTTPConnection(1,600,26,5) |1,600,14,65.4^*^*
|*TraceFlagOverrode
00004456.001 |07:28:35.110 |AppInfo |HTTPServer::listening_UpdateReqCount - Printing the PID of
sender = [1, 600, 26, 5]
00004456.002 |07:28:35.110 |AppInfo |HTTPServer::listening_throttle_UpdateReqCount -
HTTPConnectionCount = 0, PersistentConnectionCount = 0
```

07:28:37.124 || At this point the timer for the connection to request the CTL is hit

```
00004457.000 |07:28:37.124 |SdlSig |HTTPReadTimer |wait
|HTTPConnection(1,600,26,3) |SdlTimerService(1,600,3,1) |1,600,14,63.2^*^*
|*TraceFlagOverrode
00004457.001 |07:28:37.124 |AppInfo |-->HTTPConnection::wait_HTTPReadTimer
```

07:28:37.124 || The connection for the CTL request is closed due to timeout

```
00004457.002 |07:28:37.124 |AppInfo | HTTPConnection::wait_HTTPReadTimer Received a
HTTPReadRequest Timeout signal... Closing connection : [1:600:14:63]
00004457.003 |07:28:37.124 |AppInfo | HTTPConnection::wait_HTTPReadTimer TCPConnectionPID :
[1:600:14:63] not found in active connections
00004457.004 |07:28:37.124 |AppInfo |<--HTTPConnection::wait_HTTPReadTimer
```

07:28:38.208 || SdlConnectionInd for the phone connecting to request the AppDialRules.xml file SdlTCPConnection(1,600,14,66)

```
00004458.000 |07:28:38.208 |SdlSig |SdlConnectionInd |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,66) |1,600,12,1.46^*^*
```

```

|*TraceFlagOverrode
00004459.000 |07:28:38.208 |SdlStat |Period: 6s #Lines: 395 #Bytes: 49155 Total Number of
Buffers: 2000 Free LWM: 1928 Free LWM(total): 1918
00004458.001 |07:28:38.208 |AppInfo |-->HTTPSERVER::listening_SdlConnectionInd
00004458.002 |07:28:38.208 |AppInfo |HTTPServer::listening_SdlConnection - Printing the sender
PID = [1, 600, 14, 66]
00004458.003 |07:28:38.208 |AppInfo |HTTPServer::handleConnection - Sending a Reassociate
Request to Reassociate the newly created HTTPConnectionInfo object to the network/client
00004458.004 |07:28:38.208 |AppInfo |HTTPServer::listening_SdlConnectionInd - Maximum serving
count for HTTP connection is = 2500
00004458.005 |07:28:38.208 |AppInfo |HTTPServer::listening_SdlConnectionInd -
HTTPConnectionCount = 1
00004458.006 |07:28:38.208 |AppInfo |<--HTTPSERVER::listening_SdlConnectionInd
00004460.000 |07:28:38.208 |SdlSig |SdlReassociateRsp |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,66) |1,600,12,1.46^*^*
|*TraceFlagOverrode
00004460.001 |07:28:38.208 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Reassociation
Successful
00004460.002 |07:28:38.208 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Printing the PID
of sender = [1, 600, 14, 66]
00004461.000 |07:28:38.208 |SdlSig |SdlReassociateInd |wait
|HTTPConnection(1,600,26,1) |SdlTCPConnection(1,600,14,66) |1,600,12,1.46^*^*
|*TraceFlagOverrode
00004461.001 |07:28:38.208 |AppInfo |-->HTTPConnection::wait_SdlReassociateInd
00004461.002 |07:28:38.208 |AppInfo | HTTPConnection::wait_SdlReassociateInd Received
ReassociateIndication from 192.0.2.11
00004461.003 |07:28:38.208 |AppInfo |<--HTTPConnection::wait_SdlReassociateInd
00004462.000 |07:28:38.208 |SdlSig |SdlDataInd |wait
|HTTPConnection(1,600,26,1) |SdlTCPConnection(1,600,14,66) |1,600,14,66.2^*^*
|*TraceFlagOverrode
00004462.001 |07:28:38.208 |AppInfo |-->HTTPConnection::wait_SdlDataInd
00004462.002 |07:28:38.208 |AppInfo | HTTPConnection::wait_SdlDataInd SdlDataInd received from
TcpPID-[1, 600, 14, 66]

```

07:28:38.208 || The phone requests the AppDialRules.xml

```

00004462.003 |07:28:38.208 |AppInfo | HTTPConnection::wait_SdlDataInd Printing the
HTTPRequest : msgBuffer size [58] --: GET /AppDialRules.xml HTTP/1.1
Host:198.51.100.0:6970

0004462.004 |07:28:38.208 |AppInfo | HTTPConnection::wait_SdlDataInd Proxy Request- 0 ,
AppDialRules.xml
00004462.005 |07:28:38.208 |AppInfo | HTTPConnection::wait_SdlDataInd Decode successful -
Filename is : AppDialRules.xml
00004462.006 |07:28:38.208 |AppInfo | HTTPConnection::wait_SdlDataInd File request signal
sent to ServeFile process
00004462.007 |07:28:38.208 |AppInfo |<--HTTPConnection::wait_SdlDataInd
00004463.000 |07:28:38.208 |SdlSig |FileRequest |wait
|ServeFile(1,600,22,1) |HTTPConnection(1,600,26,1) |1,600,14,66.2^*^*
|*TraceFlagOverrode
00004463.001 |07:28:38.208 |AppInfo |-->ServeFile::wait_FileRequest
00004463.002 |07:28:38.208 |AppInfo | ServeFile::wait_FileRequest Received File request for
AppDialRules.xml with Request ID 46
00004463.003 |07:28:38.208 |AppInfo |-->ServeFile::validateFileName
00004463.004 |07:28:38.208 |AppInfo | ServeFile::validateFileName File Requested
AppDialRules.xml
00004463.005 |07:28:38.208 |AppInfo |<--ServeFile::validateFileName
00004463.006 |07:28:38.208 |AppInfo | ServeFile::wait_FileRequest File Validation Success and
the File to be Searched is AppDialRules.xml
00004463.007 |07:28:38.208 |AppInfo |-->ServeFile::CheckFileIsStatic
00004463.008 |07:28:38.208 |AppInfo | ServeFile::CheckFileIsStatic appdialrules.xml is (Not a
Static) File
00004463.009 |07:28:38.208 |AppInfo |<--ServeFile::CheckFileIsStatic

```

```

00004463.010 |07:28:38.208 |AppInfo | ServeFile::wait_FileRequest Sending the FileRequest
signal to ProcessServeDynamicFile process
00004463.011 |07:28:38.208 |AppInfo |<--ServeFile::wait_FileRequest
00004464.000 |07:28:38.208 |SdlSig |FileRequest |wait
|ServeDynamicFile(1,600,23,3) |ServeFile(1,600,22,1) |1,600,14,66.2^**^*
|*TraceFlagOverrode
00004464.001 |07:28:38.208 |AppInfo |-->ServeDynamicFile::wait_FileRequest
00004464.002 |07:28:38.208 |AppInfo | ServeDynamicFile::wait_FileRequest Received File
request for the dynamic file AppDialRules.xml
00004464.003 |07:28:38.208 |AppInfo |-->ServeDynamicFile::isCTLCAPFRequest
00004464.004 |07:28:38.208 |AppInfo | ServeDynamicFile::isCTLCAPFRequest [AppDialRules.xml]
is Not a CTLCAPF File
00004464.005 |07:28:38.208 |AppInfo |<--ServeDynamicFile::isCTLCAPFRequest
00004464.006 |07:28:38.208 |AppInfo | ServeDynamicFile::wait_FileRequest Requested File is :
[appdialrules.xml]
00004464.007 |07:28:38.208 |AppInfo |-->ServeDynamicFile::retrieveTypeOfRequest
00004464.008 |07:28:38.208 |AppInfo | ServeDynamicFile::retrieveTypeOfRequest Request is for
XML Config File
00004464.009 |07:28:38.208 |AppInfo | ServeDynamicFile::retrieveTypeOfRequest File Requested
is : [appdialrules.xml]
00004464.010 |07:28:38.208 |AppInfo |<--ServeDynamicFile::retrieveTypeOfRequest
00004464.011 |07:28:38.208 |AppInfo | ServeDynamicFile::wait_FileRequest Type of Request is :
[1]
00004464.012 |07:28:38.208 |AppInfo |-->CServiceModule::getDeviceNameFromRequest
00004464.013 |07:28:38.208 |AppInfo | CServiceModule::getDeviceNameFromRequest File Request
without extensions
00004464.014 |07:28:38.208 |AppInfo |<--CServiceModule::getDeviceNameFromRequest
00004464.015 |07:28:38.208 |AppInfo |-->CServiceModule::getIDForRequest
00004464.016 |07:28:38.208 |AppInfo | CServiceModule::getIDForRequest Unable to find device
in DB = appdialrules.xml
00004464.017 |07:28:38.208 |AppInfo |<--CServiceModule::getIDForRequest
00004464.018 |07:28:38.208 |AppInfo |-->ServeDynamicFile::FindAndServe

```

07:28:38.208 || appdialrules.xml is found

```

00004464.019 |07:28:38.208 |AppInfo | ServeDynamicFile::FindAndServe File Found - 200 -
Success
00004464.020 |07:28:38.208 |AppInfo | ServeDynamicFile::FindAndServe
ServeDynamicFile::wait_dynamicFileRequest [FileName:(AppDialRules.xml),Content Length:(25)]
00004464.021 |07:28:38.208 |AppInfo | ServeDynamicFile::FindAndServe Request ID : 46
00004464.022 |07:28:38.208 |AppInfo |<--ServeDynamicFile::FindAndServe
00004464.023 |07:28:38.208 |AppInfo |<--ServeDynamicFile::wait_FileRequest
00004465.000 |07:28:38.208 |SdlSig |FileResponse |wait
|ServeFile(1,600,22,1) |ServeDynamicFile(1,600,23,3) |1,600,14,66.2^**^*
|*TraceFlagOverrode
00004465.001 |07:28:38.208 |AppInfo |-->ServeFile::wait_FileResponse
00004465.002 |07:28:38.208 |AppInfo | ServeFile::wait_FileResponse File Response signal
received by ServeFile process
00004465.003 |07:28:38.208 |AppInfo | ServeFile::wait_FileResponse FileStatus : 1 --
OffClusters Configured : 1

```

07:28:38.208 || The TFTP service makes it clear the file was found locally

```

00004465.004 |07:28:38.208 |AppInfo | ServeFile::wait_FileResponse File found in proxy tftp
itself. Sending the file response to corresponding connection object
00004465.005 |07:28:38.208 |AppInfo |<--ServeFile::wait_FileResponse
00004466.000 |07:28:38.208 |SdlSig |FileResponse |wait
|HTTPConnection(1,600,26,1) |ServeFile(1,600,22,1) |1,600,14,66.2^**^*
|*TraceFlagOverrode
00004466.001 |07:28:38.208 |AppInfo |-->HTTPConnection::wait_FileResponse

```

07:28:38.208 || The file response is sent

```
00004466.002 |07:28:38.208 |AppInfo | HTTPConnection::wait_FileResponse Requested file
FOUND... Sending file Response
00004466.003 |07:28:38.208 |AppInfo | <--HTTPConnection::wait_FileResponse
```

07:28:38.275 || SdlCloseInd closing the connection for the phone requesting the appdialrules SdlTCPConnection(1,600,14,66)

```
00004467.000 |07:28:38.275 |SdlSig |SdlCloseInd |wait
|HTTPConnection(1,600,26,1) |SdlTCPConnection(1,600,14,66) |1,600,14,66.3^**
|*TraceFlagOverrode
00004467.001 |07:28:38.275 |AppInfo |-->HTTPConnection::wait_SdlCloseInd
00004467.002 |07:28:38.275 |AppInfo | HTTPConnection::wait_SdlCloseInd Recieved CloseInd from
TcpConnectionPID-[1, 600, 14, 66]
00004467.003 |07:28:38.275 |AppInfo |<--HTTPConnection::wait_SdlCloseInd
00004468.000 |07:28:38.275 |SdlSig |UpdateReqCount |listening
|HTTPServer(1,600,25,1) |HTTPConnection(1,600,26,1) |1,600,14,66.3^**
|*TraceFlagOverrode
00004468.001 |07:28:38.275 |AppInfo |HTTPServer::listening_UpdateReqCount - Printing the PID of
sender = [1, 600, 26, 1]
00004468.002 |07:28:38.275 |AppInfo |HTTPServer::listening_throttle_UpdateReqCount -
HTTPConnectionCount = 0, PersistentConnectionCount = 0
```

07:28:38.337 || SdlConnectionInd for the phone connecting to request the SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn SdlTCPConnection(1,600,14,67)

```
00004469.000 |07:28:38.337 |SdlSig |SdlConnectionInd |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,67) |1,600,12,1.47^**
|*TraceFlagOverrode
00004469.001 |07:28:38.337 |AppInfo |-->HTTPSERVER::listening_SdlConnectionInd
00004469.002 |07:28:38.337 |AppInfo |HTTPServer::listening_SdlConnection - Printing the sender
PID = [1, 600, 14, 67]
00004469.003 |07:28:38.337 |AppInfo |HTTPServer::handleConnection - Sending a Reassociate
Request to Reassociate the newly created HTTPConnectionInfo object to the network/client
00004469.004 |07:28:38.337 |AppInfo |HTTPServer::listening_SdlConnectionInd - Maximum serving
count for HTTP connection is = 2500
00004469.005 |07:28:38.337 |AppInfo |HTTPServer::listening_SdlConnectionInd -
HTTPConnectionCount = 1
00004469.006 |07:28:38.337 |AppInfo |<--HTTPSERVER::listening_SdlConnectionInd
00004470.000 |07:28:38.337 |SdlSig |SdlReassociateRsp |listening
|HTTPServer(1,600,25,1) |SdlTCPConnection(1,600,14,67) |1,600,12,1.47^**
|*TraceFlagOverrode
00004470.001 |07:28:38.337 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Reassociation
Successfull
00004470.002 |07:28:38.337 |AppInfo |HTTPServer::listening_SdlReassociateRsp - Printing the PID
of sender = [1, 600, 14, 67]
00004471.000 |07:28:38.337 |SdlSig |SdlReassociateInd |wait
|HTTPConnection(1,600,26,2) |SdlTCPConnection(1,600,14,67) |1,600,12,1.47^**
|*TraceFlagOverrode
00004471.001 |07:28:38.337 |AppInfo |-->HTTPConnection::wait_SdlReassociateInd
00004471.002 |07:28:38.337 |AppInfo | HTTPConnection::wait_SdlReassociateInd Received
ReassociateIndication from 192.0.2.11
00004471.003 |07:28:38.337 |AppInfo |<--HTTPConnection::wait_SdlReassociateInd
00004472.000 |07:28:38.337 |SdlSig |SdlDataInd |wait
|HTTPConnection(1,600,26,2) |SdlTCPConnection(1,600,14,67) |1,600,14,67.2^**
|*TraceFlagOverrode
00004472.001 |07:28:38.337 |AppInfo |-->HTTPConnection::wait_SdlDataInd
00004472.002 |07:28:38.337 |AppInfo | HTTPConnection::wait_SdlDataInd SdlDataInd received from
TcpPID-[1, 600, 14, 67]
```

07:28:38.337 || The phone requests SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn
00004472.003 |07:28:38.337 |AppInfo | HTTPConnection::wait_SdlDataInd Printing the
HTTPRequest : msgBuffer size [88] --: GET /SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn
HTTP/1.1
Host:198.51.100.0:6970

00004472.004 |07:28:38.337 |AppInfo | HTTPConnection::wait_SdlDataInd Proxy Request- 0 ,
SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn
00004472.005 |07:28:38.337 |AppInfo | HTTPConnection::wait_SdlDataInd Decode successful -
Filename is : SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn
00004472.006 |07:28:38.337 |AppInfo | HTTPConnection::wait_SdlDataInd File request signal
sent to ServeFile process
00004472.007 |07:28:38.337 |AppInfo |<--HTTPConnection::wait_SdlDataInd
00004473.000 |07:28:38.337 |SdlSig |FileRequest |wait
|ServeFile(1,600,22,1) |HTTPConnection(1,600,26,2) |1,600,14,67.2^***
|*TraceFlagOverrode
00004473.001 |07:28:38.337 |AppInfo |-->ServeFile::wait_FileRequest
00004473.002 |07:28:38.337 |AppInfo | ServeFile::wait_FileRequest Received File request for
SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn with Request ID 47
00004473.003 |07:28:38.337 |AppInfo |-->ServeFile::validateFileName
00004473.004 |07:28:38.337 |AppInfo | ServeFile::validateFileName File Requested SK72f64050-
7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn
00004473.005 |07:28:38.337 |AppInfo |<--ServeFile::validateFileName
00004473.006 |07:28:38.337 |AppInfo | ServeFile::wait_FileRequest File Validation Success and
the File to be Searched is SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn
00004473.007 |07:28:38.337 |AppInfo |-->ServeFile::CheckFileIsStatic
00004473.008 |07:28:38.337 |AppInfo | ServeFile::CheckFileIsStatic sk72f64050-7ad5-4b47-9bfa-
5e9ad9cd4aa9.xml.sgn is (Not a Static) File
00004473.009 |07:28:38.337 |AppInfo |<--ServeFile::CheckFileIsStatic
00004473.010 |07:28:38.337 |AppInfo | ServeFile::wait_FileRequest Sending the FileRequest
signal to ProcessServeDynamicFile process
00004473.011 |07:28:38.337 |AppInfo |<--ServeFile::wait_FileRequest
00004474.000 |07:28:38.337 |SdlSig |FileRequest |wait
|ServeDynamicFile(1,600,23,4) |ServeFile(1,600,22,1) |1,600,14,67.2^***
|*TraceFlagOverrode
00004474.001 |07:28:38.337 |AppInfo |-->ServeDynamicFile::wait_FileRequest
00004474.002 |07:28:38.337 |AppInfo | ServeDynamicFile::wait_FileRequest Received File
request for the dynamic file SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn
00004474.003 |07:28:38.337 |AppInfo |-->ServeDynamicFile::isCTLCAPFRequest
00004474.004 |07:28:38.337 |AppInfo | ServeDynamicFile::isCTLCAPFRequest [SK72f64050-7ad5-
4b47-9bfa-5e9ad9cd4aa9.xml.sgn] is Not a CTLCAPF File
00004474.005 |07:28:38.337 |AppInfo |<--ServeDynamicFile::isCTLCAPFRequest
00004474.006 |07:28:38.337 |AppInfo | ServeDynamicFile::wait_FileRequest Requested File is :
[sk72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn]
00004474.007 |07:28:38.337 |AppInfo |-->ServeDynamicFile::retrieveTypeOfRequest
00004474.008 |07:28:38.337 |AppInfo | ServeDynamicFile::retrieveTypeOfRequest Request is for
XML signed Config File
00004474.009 |07:28:38.337 |AppInfo | ServeDynamicFile::retrieveTypeOfRequest File Requested
is : [sk72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn]
00004474.010 |07:28:38.337 |AppInfo |<--ServeDynamicFile::retrieveTypeOfRequest
00004474.011 |07:28:38.337 |AppInfo | ServeDynamicFile::wait_FileRequest Type of Request is :
[2]
00004474.012 |07:28:38.337 |AppInfo |-->CServiceModule::getDeviceNameFromRequest
00004474.013 |07:28:38.337 |AppInfo | CServiceModule::getDeviceNameFromRequest File Request
without extensions
00004474.014 |07:28:38.337 |AppInfo |<--CServiceModule::getDeviceNameFromRequest
00004474.015 |07:28:38.337 |AppInfo |-->CServiceModule::getIDForRequest
00004474.016 |07:28:38.337 |AppInfo | CServiceModule::getIDForRequest Unable to find device
in DB = sk72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn
00004474.017 |07:28:38.337 |AppInfo |<--CServiceModule::getIDForRequest
00004474.018 |07:28:38.337 |AppInfo |-->ServeDynamicFile::FindAndServe

```

##### 07:28:38.337 || SK72f64050-7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn is found
00004474.019 |07:28:38.337 |AppInfo | ServeDynamicFile::FindAndServe File Found - 200 -
Success
00004474.020 |07:28:38.337 |AppInfo | ServeDynamicFile::FindAndServe
ServeDynamicFile::wait_dynamicFileRequest [FileName:(SK72f64050-7ad5-4b47-9bfa-
5e9ad9cd4aa9.xml.sgn),Content Length:(4963)]
00004474.021 |07:28:38.337 |AppInfo | ServeDynamicFile::FindAndServe Request ID : 47
00004474.022 |07:28:38.337 |AppInfo |<--ServeDynamicFile::FindAndServe
00004474.023 |07:28:38.337 |AppInfo |<--ServeDynamicFile::wait_FileRequest
00004475.000 |07:28:38.337 |SdlSig |FileResponse |wait
|ServeFile(1,600,22,1) |ServeDynamicFile(1,600,23,4) |1,600,14,67.2^*^*
|*TraceFlagOverrode
00004475.001 |07:28:38.337 |AppInfo |-->ServeFile::wait_FileResponse
00004475.002 |07:28:38.337 |AppInfo | ServeFile::wait_FileResponse File Response signal
received by ServeFile process
00004475.003 |07:28:38.337 |AppInfo | ServeFile::wait_FileResponse FileStatus : 1 --
OffClusters Configured : 1

```

```

##### 07:28:38.337 || The TFTP service makes it clear the file was found locally
00004475.004 |07:28:38.337 |AppInfo | ServeFile::wait_FileResponse File found in proxy tftp
itself. Sending the file response to corresponding connection object
00004475.005 |07:28:38.337 |AppInfo |<--ServeFile::wait_FileResponse
00004476.000 |07:28:38.337 |SdlSig |FileResponse |wait
|HTTPConnection(1,600,26,2) |ServeFile(1,600,22,1) |1,600,14,67.2^*^*
|*TraceFlagOverrode
00004476.001 |07:28:38.337 |AppInfo |-->HTTPConnection::wait_FileResponse

```

```

##### 07:28:38.337 || The file response is sent
00004476.002 |07:28:38.337 |AppInfo | HTTPConnection::wait_FileResponse Requested file
FOUND... Sending file Response
00004476.003 |07:28:38.337 |AppInfo |<--HTTPConnection::wait_FileResponse

```

```

##### 07:28:38.940 || SdlCloseInd closing the connection for the phone requesting SK72f64050-
7ad5-4b47-9bfa-5e9ad9cd4aa9.xml.sgn SdlTCPConnection(1,600,14,67)
00004477.000 |07:28:38.940 |SdlSig |SdlCloseInd |wait
|HTTPConnection(1,600,26,2) |SdlTCPConnection(1,600,14,67) |1,600,14,67.3^*^*
|*TraceFlagOverrode
00004477.001 |07:28:38.940 |AppInfo |-->HTTPConnection::wait_SdlCloseInd
00004477.002 |07:28:38.940 |AppInfo | HTTPConnection::wait_SdlCloseInd Recieved CloseInd from
TcpConnectionPID-[1, 600, 14, 67]
00004477.003 |07:28:38.940 |AppInfo |<--HTTPConnection::wait_SdlCloseInd

```

Related Information

- [CUCM 11.5.x TFTP Scale Architectural Improvements](#)
- [System Configuration Guide for Cisco Unified Communications Manager, Release 11.5\(1\) - Chapter: Configure TFTP Servers](#)
- [Cisco Collaboration System 11.x Solution Reference Network Designs \(SRND\) - Chapter: Network Infrastructure](#)
- [Technical Support & Documentation - Cisco Systems](#)