

Extension Mobility en Extension Mobility Cross-cluster: Wijzigingen in CUCM 12.5

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Inleiding

Dit document beschrijft de wijzigingen in een van de servicparameter **Multiple Login Behavior** voor extensie mobiliteitsoverschrijdende cluster.

Voorwaarden

Vereisten

Er zijn geen specifieke vereisten van toepassing op dit document.

Gebruikte componenten

De informatie in dit document is gebaseerd op de volgende software- en hardware-versies:

- Cisco Call Manager versie: **12.5.0.98000-1078** en **12.5.0.99832-3**
- Cisco IP-telefoon 8861
Protocol: SIP
Firmware: 12-0-1 SR1-1
- Cisco IP-telefoon 8851
Protocol: SIP

Firmware: 12-0-1 SR1-1

De informatie in dit document is gebaseerd op de apparaten in een specifieke laboratoriumomgeving. Alle apparaten die in dit document worden beschreven, hadden een opgeschoonde (standaard)configuratie. Als uw netwerk levend is, zorg er dan voor dat u de mogelijke impact van om het even welke opdracht begrijpt.

Configureren

Uitbreidingsmobiliteit: Het staat gebruikers toe om tijdelijk toegang te hebben tot hun configuratie van de Cisco IP-telefoon (snelle knop, lijnweergave) van een andere Cisco IP-telefoon op hetzelfde cluster.

Extension Mobility Cross-cluster: Deze optie stelt een gebruiker van één Cisco Unified Communications Manager (CUCM)-cluster (meestal het thuiscluster) in om aan een Cisco IP-telefoon van een ander CUCM-cluster (ook wel het bezoekcluster genoemd) te inloggen alsof ze de IP-telefoon op de thuislocatie gebruiken.

Vóór 12.5

Er was een service parameter **voor meerdere Login-cluster gedrag (Systeem > Service Parameter** en selecteer vervolgens uw Call Manager en Extension Mobility als service). Deze parameter werd gebruikt om de meerdere logins voor extensie mobiliteit te besturen. De geldige waarden waren:

- toegestaan

Een gebruiker kan meerdere telefoons tegelijkertijd inloggen.

- Niet toegestaan

Als een gebruiker is aangemeld bij een van de telefoons kan hij niet inloggen bij een andere telefoon.

- Automatische uitlogging

Als een gebruiker op één telefoon inlogt en vervolgens probeert u in te loggen op een andere telefoon, wordt de inlognaam geslaagd op de tweede telefoon en wordt de inlognaam vanaf de eerste telefoon uitgelogd.

Voor het EMCC was er geen dergelijk gedrag. Er waren altijd meerdere logins toegestaan en de admin had geen mogelijkheid om de lens te besturen.

Nieuwe mutaties in 12.5

Nu hebben we in het EMCC ook de flexibiliteit om meerdere logins te controleren. Er is een nieuwe service parameter die **Multiple Login Behavior (System > Service Parameter** en selecteer vervolgens uw Call Manager en Extension Mobility als service) wordt genoemd en ons helpt dit te bereiken. Het heeft dezelfde waarden als voorheen:

- Meervoudige loggen toegestaan
- Meervoudige loggen niet toegestaan
- Automatische uitlogging

Opmerking: De configuratie-instellingen van de servicparameter die op de home cluster worden toegepast, dwingt en bezoekt de cluster niet.

Steekproef: **Meervoudige loggedragsparameters** worden ingesteld op **Meervoudige Logins niet toegestaan** op de thuiscluster en **Meervoudige Logins toegestaan** op de bezoekende cluster.

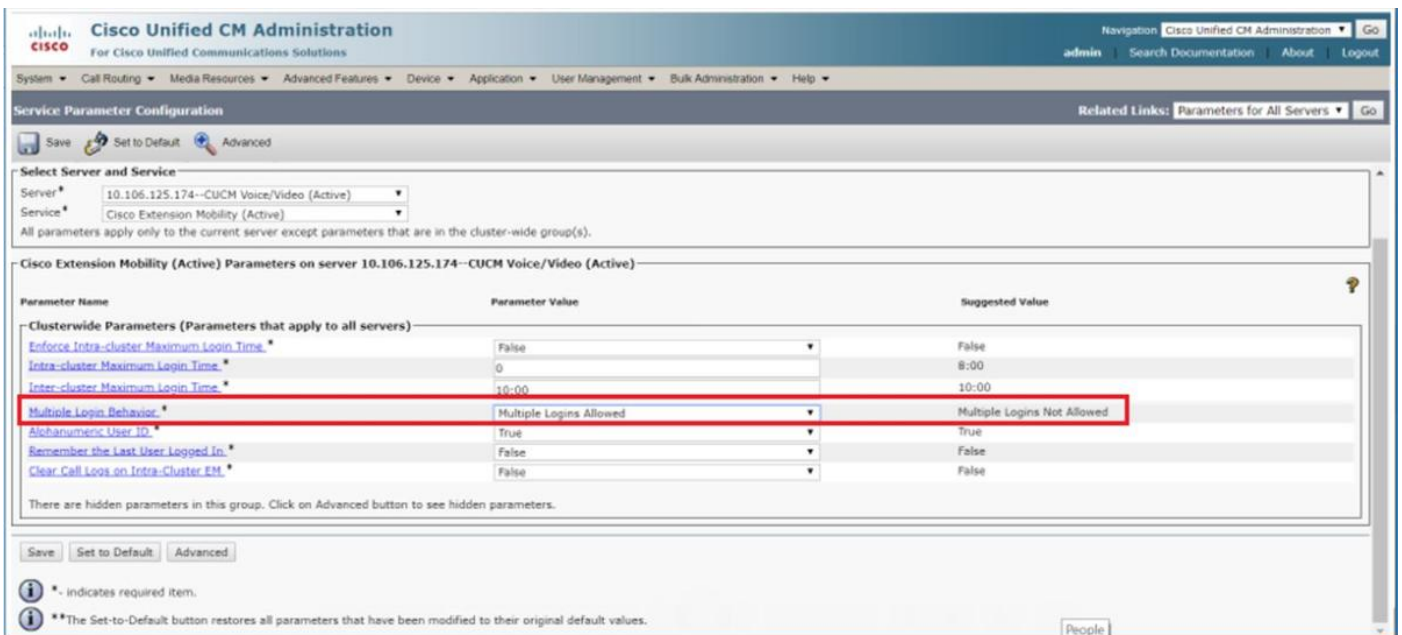
Als u inlogt in op het bezoekende cluster en vervolgens probeert u opnieuw aan een andere telefoon in te loggen op het bezoekende cluster, zodat u in dat geval niet kunt inloggen omdat de parameter is ingesteld op **Meervoudige Logins Niet toegestaan** op het thuiscluster.

Problemen oplossen

Log analyse voor extensie mobiliteit

Zaak 1: Meervoudig inloggedrag ingesteld op Meervoudige inloggen toegestaan

De service parameter ziet er zo uit:



In de mobiliteitslogboeken van Extension kunt u de parameter hier zien:

```

2019-01-26 10:55:59,109 INFO [Thread-68 ] ServiceParameters - -----
Begin Service Parameters -----

2019-01-26 10:55:59,109 INFO [Thread-68 ] ServiceParameters - Max Duration
Enabled = false

2019-01-26 10:55:59,109 INFO [Thread-68 ] ServiceParameters - Intra-Cluster
Max Login Duration String = 0

2019-01-26 10:55:59,109 INFO [Thread-68 ] ServiceParameters - Inter-cluster
Max Login Duration String = 10:00

2019-01-26 10:55:59,109 INFO [Thread-68 ] ServiceParameters - Multi Login
Policy = multiOK
    
```

```

2019-01-26 10:55:59,109 INFO [Thread-68 ] ServiceParameters - Max Concurrent
Sessions = 15

2019-01-26 10:55:59,109 INFO [Thread-68 ] ServiceParameters - Is IP Check
Enabled = false

2019-01-26 10:55:59,110 INFO [Thread-68 ] ServiceParameters - Trusted IP List
=

2019-01-26 10:55:59,110 INFO [Thread-68 ] ServiceParameters - EM Device Cache
Size = 10000

2019-01-26 10:55:59,110 INFO [Thread-68 ] ServiceParameters - Allow Proxy
= false

2019-01-26 10:55:59,110 INFO [Thread-68 ] ServiceParameters - EMCC Allow
Proxy = true

2019-01-26 10:55:59,110 INFO [Thread-68 ] ServiceParameters - -----
End Service Parameters -----

```

Zaak 2: Meervoudig inloggedrag ingesteld op Meervoudige inloggen niet toegestaan

De service parameter ziet er zo uit:

The screenshot shows the 'Service Parameter Configuration' page in Cisco Unified CM Administration. The 'Select Server and Service' section is set to '10.106.125.174--CUCM Voice/Video (Active)' and 'Cisco Extension Mobility (Active)'. The main table displays parameters for 'Cisco Extension Mobility (Active) Parameters on server 10.106.125.174--CUCM Voice/Video (Active)'. The 'Multiple Login Behavior' parameter is highlighted with a red box, showing its value as 'Multiple Logins Not Allowed' and a suggested value of 'Multiple Logins Not Allowed'. Other parameters include 'Enforce Intra-cluster Maximum Login Time', 'Intra-cluster Maximum Login Time', 'Inter-cluster Maximum Login Time', 'Remember the Last User Logged In', and 'Clear Call Legs on Intra-Cluster EM'.

Parameter Name	Parameter Value	Suggested Value
Clusterwide Parameters (Parameters that apply to all servers)		
Enforce Intra-cluster Maximum Login Time *	False	False
Intra-cluster Maximum Login Time *	0	8:00
Inter-cluster Maximum Login Time *	10:00	10:00
Multiple Login Behavior *	Multiple Logins Not Allowed	Multiple Logins Not Allowed
Remember the Last User Logged In *	True	True
Remember the Last User Logged In *	False	False
Clear Call Legs on Intra-Cluster EM *	False	False

In de mobiliteitslogboeken van Extension kunt u dit als parameter zien:

```

2019-01-24 22:12:15,916 INFO [Thread-68 ] ServiceParameters - -----
Begin Service Parameters -----

2019-01-24 22:12:15,916 INFO [Thread-68 ] ServiceParameters - Max Duration
Enabled = false

2019-01-24 22:12:15,916 INFO [Thread-68 ] ServiceParameters - Intra-Cluster
Max Login Duration String = 0

2019-01-24 22:12:15,916 INFO [Thread-68 ] ServiceParameters - Inter-cluster

2019-01-24 22:12:15,916 INFO [Thread-68 ] ServiceParameters - Multi Login

```

```

Policy                                                    = noLogin

2019-01-24 22:12:15,916 INFO [Thread-68                ] ServiceParameters      - Max Concurrent
Sessions                                                    = 15

2019-01-24 22:12:15,916 INFO [Thread-68                ] ServiceParameters      - Is IP Check
Enabled                                                    = false

2019-01-24 22:12:15,916 INFO [Thread-68                ] ServiceParameters      - Trusted IP List
=

2019-01-24 22:12:15,916 INFO [Thread-68                ] ServiceParameters      - EM Device Cache
Size                                                    = 10000

2019-01-24 22:12:15,917 INFO [Thread-68                ] ServiceParameters      - Allow Proxy
= false

2019-01-24 22:12:15,917 INFO [Thread-68                ] ServiceParameters      - EMCC Allow
Proxy                                                    = true

2019-01-24 22:12:15,917 INFO [Thread-68                ] ServiceParameters      - -----
End Service Parameters -----

```

Zo wordt de fout afgedrukt:

```

2019-01-26 10:54:45,661 ERROR [http-bio-8443-exec-19] EMServiceServlet      - 110:
LoginService: Dev: test2- Error# 25-com.cisco.emservice.MyException: Policy Violation:
com.cisco.emservice.PolicyValidatorException: Not allowed to log into multiple devices.

```

```

2019-01-26 10:54:45,661 INFO [http-bio-8443-exec-19] EMServiceServlet      - 110:Request
succeeded returning<response>

```

<failure>

```

<error code="25">Policy Violation: com.cisco.emservice.PolicyValidatorException: Not allowed to
log into multiple devices.

```

</error>

</failure>

</response>

Aan de telefoon is er zo'n fout.



Zaak 3: Meervoudige inloggedrag ingesteld op Auto Logout

De service parameter ziet er zo uit:

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | Go
admin | Search Documentation | About | Logout

System | Call Routing | Media Resources | Advanced Features | Device | Application | User Management | Bulk Administration | Help

Service Parameter Configuration | Related Links: Parameters for All Servers | Go

Save | Set to Default | Advanced

Select Server and Service
Server: 10.106.125.174--CUCM Voice/Video (Active)
Service: Cisco Extension Mobility (Active)
All parameters apply only to the current server except parameters that are in the cluster-wide group(s).

Cisco Extension Mobility (Active) Parameters on server 10.106.125.174--CUCM Voice/Video (Active)

Parameter Name	Parameter Value	Suggested Value
Clusterwide Parameters (Parameters that apply to all servers)		
Enforce Intra-cluster Maximum Login Time *	False	False
Intra-cluster Maximum Login Time *	0	8:00
Inter-cluster Maximum Login Time *	10:00	10:00
Multiple Login Behavior *	Auto Logout	Multiple Logins Not Allowed
Alphanumeric User ID *	True	True
Remember the Last User Logged In *	False	False
Clear Call Logs on Intra-Cluster EM *	False	False

There are hidden parameters in this group. Click on Advanced button to see hidden parameters.

Save | Set to Default | Advanced

i * - indicates required item.
i **The Set-to-Default button restores all parameters that have been modified to their original default values.

In de mobiliteitslogboeken van Extension kunt u dit als de parameter zien:

```
2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - -----
Begin Service Parameters -----

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - Max Duration
Enabled = false

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - Intra-Cluster
Max Login Duration String = 0

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - Inter-cluster
Max Login Duration String = 10:00

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - Multi Login
Policy = autoLogout

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - Max Concurrent
Sessions = 15

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - Is IP Check
Enabled = false

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - Trusted IP List
=

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - EM Device Cache
Size = 10000

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - Allow Proxy
= false

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - EMCC Allow
Proxy = true

2019-01-26 10:57:30,641 INFO [Thread-68 ] ServiceParameters - -----
End Service Parameters -----
```

Log analyse voor EMCC

Zaak 1: Meervoudig ingelogd ingesteld op Meervoudige inloggen toegestaan

Thuiscluster

In de EM service-logboeken:

Aanvraag om inloggen via de telefoon (SEPF8A5C59E1126)

```
2019-01-26 13:45:36,635 DEBUG [http-bio-8443-exec-1] EmccSaxHandler - EMURI =
http%3A%2F%2F10.106.125.174%3A8080%2Femapp%2FEMAppServlet%3Fdevice%3DSEPF8A5C59E1126%26doLogout%
3Dtrue
2019-01-26 13:45:36,637 DEBUG [http-bio-8443-exec-1] EMServiceServlet - 101: Parse Complete
2019-01-26 13:45:36,637 INFO [http-bio-8443-exec-1] EMServiceServlet - 101: Setting remoteIPAddr
to connection IP=10.106.125.174
2019-01-26 13:45:36,637 INFO [http-bio-8443-exec-1] EMServiceServlet - 101 : 137 : atbabu:
processEmccRequest: Received EMCC Home Cluster Login Request for :rak
2019-01-26 13:45:36,637 INFO [http-bio-8443-exec-1] EMServiceServlet - 101 : 137 :
DeviceSecurityMode: 1 HomeCluster SecurityMode: 0
2019-01-26 13:45:36,637 INFO [http-bio-8443-exec-1] EMServiceServlet - 101: authenticate pin for
```

rak
2019-01-26 13:45:36,650 INFO [http-bio-8443-exec-1] EMServiceServlet - 101 : 137 : atbabu:
EmccHomeLogin : Performing Home Device Login for :rak
2019-01-26 13:45:36,650 INFO [http-bio-8443-exec-1] EmccData - 101: getRemoteClusterInfo: Pkid
for cluster atbabu is d23ef9ea-8392-dbbf-61db-1d9e1d505243
2019-01-26 13:45:36,650 DEBUG [http-bio-8443-exec-1] EmccData - 101: getRemoteClusterInfo:
Hostname = 10.106.125.174
2019-01-26 13:45:36,650 INFO [http-bio-8443-exec-1] Authenticator -
101:Authenticator.userExists: UserID: rak- Calling cmdb.isLocalUser(osUserID)...
2019-01-26 13:45:36,650 DEBUG [http-bio-8443-exec-1] CMDatabase - Userid being passed to the
query is rak
2019-01-26 13:45:36,651 DEBUG [http-bio-8443-exec-1] CMDatabase - CMDatabase.isLocalUser() :
SELECT islocaluser FROM EndUser WHERE my_lower(userid)= my_lower(?) : parameter ('rak')
2019-01-26 13:45:36,655 DEBUG [http-bio-8443-exec-1] CMDatabase - PKID for the ROW is
2019-01-26 13:45:36,655 DEBUG [http-bio-8443-exec-1] CMDatabase - CMDatabase.isLocalUser() :
isLocaluser : true
2019-01-26 13:45:36,656 DEBUG [http-bio-8443-exec-1] CMDatabase - is Local user value :true
2019-01-26 13:45:36,656 INFO [http-bio-8443-exec-1] Authenticator -
101:Authenticator.userExists: UserID: rak- cmdb.isLocalUser(osUserID) returned
2019-01-26 13:45:36,656 DEBUG [http-bio-8443-exec-1] EMServiceServlet - 101: 137: atbabu:
performHomeDeviceLogin for deviceName: SEPF8A5C59E1126
2019-01-26 13:45:36,656 INFO [http-bio-8443-exec-1] EMServiceServlet - 101:
computeLoginDuration: Device: SEPF8A5C59E1126 EMCC Request: true EM API Request: false Duration
Requested through EM API: -1
2019-01-26 13:45:36,658 INFO [http-bio-8443-exec-1] CMDatabase -
CMDatabase.getEndUserEmMaxLoginTime() : SELECT EmMaxLoginTime FROM EndUser WHERE userid=? :
parameters ('rak')
2019-01-26 13:45:36,659 INFO [http-bio-8443-exec-1] EMServiceServlet - Effective Login Duration
:36000 seconds
2019-01-26 13:45:36,659 DEBUG [http-bio-8443-exec-1] DBRequestor - 101 : 137 : atbabu:
performHomeDeviceLogin: Excecuting Stored Procedure:

Verzoek om dezelfde gebruiker vanaf de tweede telefoon

2019-01-26 13:45:56,442 DEBUG [http-bio-8443-exec-8] EmccSaxHandler - EMURI =
http%3A%2F%2F10.106.125.174%3A8080%2Femapp%2FEMAppServlet%3Fdevice%3DSEPB000B4BA01F1%26doLogout%
3Dtrue
2019-01-26 13:45:56,442 DEBUG [http-bio-8443-exec-8] EMServiceServlet - 103: Parse Complete
2019-01-26 13:45:56,445 INFO [http-bio-8443-exec-8] EMServiceServlet - 103: Setting remoteIPAddr
to connection IP=10.106.125.174
2019-01-26 13:45:56,445 INFO [http-bio-8443-exec-8] EMServiceServlet - 103 : 139 : atbabu:
processEmccRequest: Received EMCC Home Cluster Login Request for :rak
2019-01-26 13:45:56,445 INFO [http-bio-8443-exec-8] EMServiceServlet - 103 : 139 :
DeviceSecurityMode: 1 HomeCluster SecurityMode: 0
2019-01-26 13:45:56,445 INFO [http-bio-8443-exec-8] EMServiceServlet - 103: authenticate pin for
rak
2019-01-26 13:45:56,469 INFO [http-bio-8443-exec-8] EMServiceServlet - 103 : 139 : atbabu:
EmccHomeLogin : Performing Home Device Login for :rak
2019-01-26 13:45:56,469 INFO [http-bio-8443-exec-8] EmccData - 103: getRemoteClusterInfo: Pkid
for cluster atbabu is d23ef9ea-8392-dbbf-61db-1d9e1d505243
2019-01-26 13:45:56,470 DEBUG [http-bio-8443-exec-8] EmccData - 103: getRemoteClusterInfo:
Hostname = 10.106.125.174
2019-01-26 13:45:56,470 INFO [http-bio-8443-exec-8] Authenticator -
103:Authenticator.userExists: UserID: rak- Calling cmdb.isLocalUser(osUserID)...
2019-01-26 13:45:56,470 DEBUG [http-bio-8443-exec-8] CMDatabase - Userid being passed to the
query is rak
2019-01-26 13:45:56,470 DEBUG [http-bio-8443-exec-8] CMDatabase - CMDatabase.isLocalUser() :
SELECT islocaluser FROM EndUser WHERE my_lower(userid)= my_lower(?) : parameter ('rak')
2019-01-26 13:45:56,476 DEBUG [http-bio-8443-exec-8] CMDatabase - PKID for the ROW is
2019-01-26 13:45:56,477 DEBUG [http-bio-8443-exec-8] CMDatabase - CMDatabase.isLocalUser() :
isLocaluser : true
2019-01-26 13:45:56,478 DEBUG [http-bio-8443-exec-8] CMDatabase - is Local user value :true
2019-01-26 13:45:56,478 INFO [http-bio-8443-exec-8] Authenticator -

103:Authenticator.userExists: UserID: rak- cmdb.isLocalUser(osUserID) returned
2019-01-26 13:45:56,478 DEBUG [http-bio-8443-exec-8] EMServiceServlet - 103: 139: atbabu:
performHomeDeviceLogin for deviceName: SEPB000B4BA01F1
2019-01-26 13:45:56,478 INFO [http-bio-8443-exec-8] EMServiceServlet - 103:
computeLoginDuration: Device: SEPB000B4BA01F1 EMCC Request: true EM API Request: false Duration
Requested through EM API: -1
2019-01-26 13:45:56,482 INFO [http-bio-8443-exec-8] CMDatabase -
CMDatabase.getEndUserEmMaxLoginTime() : SELECT EmMaxLoginTime FROM EndUser WHERE userid=? :
parameters ('rak')
2019-01-26 13:45:56,485 INFO [http-bio-8443-exec-8] EMServiceServlet - Effective Login Duration
:36000 seconds
2019-01-26 13:45:56,485 DEBUG [http-bio-8443-exec-8] DBRequestor - 103 : 139 : atbabu:
performHomeDeviceLogin: Excecuting Stored Procedure:

Visite-cluster

Aanvraag om inloggen via de telefoon (SEPF8A5C59E1126)

2019-01-26 13:45:46,786 DEBUG [mjunnur] EmccCommunicator - 137: postMsg - Url =
https://10.106.106.200:8443/emservice/EMServiceServlet m_iHttpsTimeout = 120000
2019-01-26 13:45:47,055 DEBUG [mjunnur] EmccCommunicator - 137: Retrieved actual user from
remote cluster : 'rak'
2019-01-26 13:45:47,056 DEBUG [mjunnur] EmccCommunicator - 137: performCheckUser: Num of DP is
: 1
2019-01-26 13:45:47,056 DEBUG [mjunnur] CheckUserThread - 137: PerformCheckUser: Home Cluster
for UserId: rak is :https://10.106.106.200:8443/emservice/EMServiceServlet
2019-01-26 13:45:47,056 DEBUG [http-bio-8443-exec-7] EmccData - 137: cacheUserToCluster for
user: rak
2019-01-26 13:45:47,057 INFO [http-bio-8443-exec-7] EMServiceServlet - 137: EmccLoginRequest:
Home Cluster URL for User:rak is : https://10.106.106.200:8443/emservice/EMServiceServlet
2019-01-26 13:45:47,057 INFO [http-bio-8443-exec-7] EMServiceServlet - 137: EmccLoginRequest:
Device Profile for this user is: Prerna-EM
2019-01-26 13:45:47,057 DEBUG [http-bio-8443-exec-7] EMServiceServlet - 137:getEmccLoginInfo -
SEPF8A5C59E1126
2019-01-26 13:45:47,057 DEBUG [http-bio-8443-exec-7] DBRequestor - 137: getEmccLoginInfo: Query
= execute function getEmccLoginInfo('SEPF8A5C59E1126')
2019-01-26 13:45:47,131 DEBUG [http-bio-8443-exec-7] DBRequestor - 137: <VEMAPP>

Verzoek om dezelfde gebruiker vanaf de tweede telefoon

2019-01-26 13:46:06,784 DEBUG [mjunnur] EmccCommunicator - 139: postMsg - Url =
https://10.106.106.200:8443/emservice/EMServiceServlet m_iHttpsTimeout = 120000
2019-01-26 13:46:06,901 DEBUG [mjunnur] EmccCommunicator - 139: Retrieved actual user from
remote cluster : 'rak'
2019-01-26 13:46:06,902 DEBUG [mjunnur] EmccCommunicator - 139: performCheckUser: Num of DP is
: 1
2019-01-26 13:46:06,902 DEBUG [mjunnur] CheckUserThread - 139: PerformCheckUser: Home Cluster
for UserId: rak is :https://10.106.106.200:8443/emservice/EMServiceServlet
2019-01-26 13:46:06,902 DEBUG [http-bio-8443-exec-20] EmccData - 139: cacheUserToCluster for
user: rak
2019-01-26 13:46:06,903 INFO [http-bio-8443-exec-20] EMServiceServlet - 139: EmccLoginRequest:
Home Cluster URL for User:rak is : https://10.106.106.200:8443/emservice/EMServiceServlet
2019-01-26 13:46:06,903 INFO [http-bio-8443-exec-20] EMServiceServlet - 139: EmccLoginRequest:
Device Profile for this user is: Prerna-EM
2019-01-26 13:46:06,903 DEBUG [http-bio-8443-exec-20] EMServiceServlet - 139:getEmccLoginInfo -
SEPB000B4BA01F1
2019-01-26 13:46:06,903 DEBUG [http-bio-8443-exec-20] DBRequestor - 139: getEmccLoginInfo: Query
= execute function getEmccLoginInfo('SEPB000B4BA01F1')
2019-01-26 13:46:06,909 DEBUG [http-bio-8443-exec-20] DBRequestor - 139: <VEMAPP>

Login succesvol

```
2019-01-26 13:46:07,143 INFO [http-bio-8443-exec-20] EMServiceServlet - 139: EmccLoginRequest:
Performing Visiting Device Login for :rak
2019-01-26 13:46:07,144 INFO [http-bio-8443-exec-20] EMServiceServlet -
139:performVisitingDeviceLogin - SEPB000B4BA01F1
2019-01-26 13:46:07,144 DEBUG [http-bio-8443-exec-20] DBRequestor - 139:
performVisitingDeviceLogin: Query:
execute function visitingDeviceLogin('SEPB000B4BA01F1', 'mjunnur',
'http://10.106.125.174:8080/emapp/EMAppServlet?device=SEPB000B4BA01F1&doLogout=true', 'rak',
'10.106.106.200', 'null', '10.106.106.200', 'null')
2019-01-26 13:46:07,166 DEBUG [http-bio-8443-exec-20] DBRequestor - 139: t
2019-01-26 13:46:07,167 DEBUG [http-bio-8443-exec-20] EMServiceServlet - 139: EmccLoginRequest:
Result:
<?xml version="1.0"?>
<response>
<success/>
</response>
```

Zaak 2: Meervoudig inloggedrag ingesteld op Meervoudige inloggen niet toegestaan

Thuiscluster

Aanvraag voor eerste gebruiker

```
2019-01-26 14:34:43,093 INFO [http-bio-8443-exec-16] EMServiceServlet - 109 : 142 : atbabu:
processEmccRequest: Received EMCC Home Cluster Login Request for :rak
2019-01-26 14:34:43,093 INFO [http-bio-8443-exec-16] EMServiceServlet - 109 : 142 :
DeviceSecurityMode: 1 HomeCluster SecurityMode: 0
2019-01-26 14:34:43,093 INFO [http-bio-8443-exec-16] EMServiceServlet - 109: authenticate pin
for rak
2019-01-26 14:34:43,112 INFO [http-bio-8443-exec-16] EMServiceServlet - 109 : 142 : atbabu:
EmccHomeLogin : Performing Home Device Login for :rak
2019-01-26 14:34:43,112 INFO [http-bio-8443-exec-16] EmccData - 109: getRemoteClusterInfo: Pkid
for cluster atbabu is d23ef9ea-8392-dbbf-61db-1d9e1d505243
2019-01-26 14:34:43,112 DEBUG [http-bio-8443-exec-16] EmccData - 109: getRemoteClusterInfo:
Hostname = 10.106.125.174
2019-01-26 14:34:43,112 INFO [http-bio-8443-exec-16] Authenticator -
109:Authenticator.userExists: UserID: rak- Calling cmdb.isLocalUser(osUserID)...
2019-01-26 14:34:43,112 DEBUG [http-bio-8443-exec-16] CMDatabase - Userid being passed to the
query is rak
2019-01-26 14:34:43,113 DEBUG [http-bio-8443-exec-16] CMDatabase - CMDatabase.isLocalUser() :
SELECT islocaluser FROM EndUser WHERE my_lower(userid)= my_lower(?) : parameter ( 'rak' )
2019-01-26 14:34:43,119 DEBUG [http-bio-8443-exec-16] CMDatabase - PKID for the ROW is
2019-01-26 14:34:43,119 DEBUG [http-bio-8443-exec-16] CMDatabase - CMDatabase.isLocalUser() :
isLocaluser : true
2019-01-26 14:34:43,119 DEBUG [http-bio-8443-exec-16] CMDatabase - is Local user value :true
2019-01-26 14:34:43,120 INFO [http-bio-8443-exec-16] Authenticator -
109:Authenticator.userExists: UserID: rak- cmdb.isLocalUser(osUserID) returned
2019-01-26 14:34:43,120 DEBUG [http-bio-8443-exec-16] CMDatabase - Userid being passed to the
query is rak
2019-01-26 14:34:43,122 INFO [http-bio-8443-exec-16] CMDatabase -
CMDatabase:getLoggedInDeviceNames: query=SELECT decode(d.tkclass,249,emcd.devicename,d.name)
name FROM Device d left outer join emccdynamic emcd on d.pkid = emcd.fkdevice INNER JOIN
extensionmobilitydynamic emd ON d.pkid=emd.fkdevice AND emd.fkenduser= ? AND emd.logintime is
NOT NULL AND D.tkDeviceProfile=0 : parameter ( '952a2d32-14e5-fd43-d192-742c4a50d5ab' )
2019-01-26 14:34:43,129 DEBUG [http-bio-8443-exec-16] EMServiceServlet - 109: 142: atbabu:
performHomeDeviceLogin for deviceName: SEPF8A5C59E1126
```

De tweede keer is dezelfde gebruiker niet toegestaan.

```
2019-01-26 14:38:05,841 ERROR [http-bio-8443-exec-12] EMServiceServlet - 111: Not allowed to log
into multiple devices.
2019-01-26 14:38:05,841 INFO [http-bio-8443-exec-12] EMServiceServlet - 111: EmccRequest
Processing Time: 38
2019-01-26 14:38:05,842 ERROR [http-bio-8443-exec-12] EMServiceServlet - 111: Error processing
EMCC request :com.cisco.emservice.PolicyValidatorException: Not allowed to log into multiple
devices.
2019-01-26 14:38:05,842 DEBUG [http-bio-8443-exec-12] EMServiceServlet - 111: EMCC: Decrement
Counter
2019-01-26 14:38:05,842 INFO [http-bio-8443-exec-12] Counters - 111: Counters --
>111,31,4,18,0,0,0,15,3,0,33,0,71,3,0
```

Visite-cluster

```
2019-01-26 14:34:53,341 DEBUG [mjunnur ] EmccCommunicator - 142: postMsg - Url =
https://10.106.106.200:8443/emservice/EMServiceServlet m_iHttpsTimeout = 120000
2019-01-26 14:34:53,558 DEBUG [mjunnur ] EmccCommunicator - 142: Retrieved actual user from
remote cluster : 'rak'
2019-01-26 14:34:53,558 DEBUG [mjunnur ] EmccCommunicator - 142: performCheckUser: Num of DP is
: 1
2019-01-26 14:34:53,558 DEBUG [mjunnur ] CheckUserThread - 142: PerformCheckUser: Home Cluster
for UserId: rak is :https://10.106.106.200:8443/emservice/EMServiceServlet
2019-01-26 14:34:53,559 DEBUG [http-bio-8443-exec-16] EmccData - 142: cacheUserToCluster for
user: rak
2019-01-26 14:34:53,560 INFO [http-bio-8443-exec-16] EMServiceServlet - 142: EmccLoginRequest:
Home Cluster URL for User:rak is : https://10.106.106.200:8443/emservice/EMServiceServlet
2019-01-26 14:34:53,560 INFO [http-bio-8443-exec-16] EMServiceServlet - 142: EmccLoginRequest:
Device Profile for this user is: Prerna-EM
2019-01-26 14:34:53,560 DEBUG [http-bio-8443-exec-16] EMServiceServlet - 142:getEmccLoginInfo -
SEPF8A5C59E1126
2019-01-26 14:34:53,560 DEBUG [http-bio-8443-exec-16] DBRequestor - 142: getEmccLoginInfo: Query
= execute function getEmccLoginInfo('SEPF8A5C59E1126')
2019-01-26 14:34:53,576 DEBUG [http-bio-8443-exec-16] DBRequestor - 142: <VEMAPP>
```

Login succesvol.

```
2019-01-26 14:34:53,822 DEBUG [http-bio-8443-exec-16] EMServiceServlet - 142: EmccLoginRequest:
Result:
<?xml version="1.0"?>
<response>
<success/>
</response>
```

Aanvraag om vanaf de tweede telefoon in te loggen.

```
2019-01-26 14:38:16,081 DEBUG [mjunnur ] EmccCommunicator - 145: postMsg - Url =
https://10.106.106.200:8443/emservice/EMServiceServlet m_iHttpsTimeout = 120000
2019-01-26 14:38:16,287 DEBUG [mjunnur ] EmccCommunicator - 145: Retrieved actual user from
remote cluster : 'rak'
2019-01-26 14:38:16,288 DEBUG [mjunnur ] EmccCommunicator - 145: performCheckUser: Num of DP is
: 1
2019-01-26 14:38:16,288 DEBUG [mjunnur ] CheckUserThread - 145: PerformCheckUser: Home Cluster
for UserId: rak is :https://10.106.106.200:8443/emservice/EMServiceServlet
2019-01-26 14:38:16,290 DEBUG [http-bio-8443-exec-2] EmccData - 145: cacheUserToCluster for
user: rak
2019-01-26 14:38:16,291 INFO [http-bio-8443-exec-2] EMServiceServlet - 145: EmccLoginRequest:
Home Cluster URL for User:rak is : https://10.106.106.200:8443/emservice/EMServiceServlet
2019-01-26 14:38:16,291 INFO [http-bio-8443-exec-2] EMServiceServlet - 145: EmccLoginRequest:
```

Device Profile for this user is: Prerna-EM

```
2019-01-26 14:38:16,291 DEBUG [http-bio-8443-exec-2] EMServiceServlet - 145:getEmccLoginInfo -
SEPB000B4BA01F1
2019-01-26 14:38:16,292 DEBUG [http-bio-8443-exec-2] DBRequestor - 145: getEmccLoginInfo: Query
= execute function getEmccLoginInfo('SEPB000B4BA01F1')
2019-01-26 14:38:16,328 DEBUG [http-bio-8443-exec-2] DBRequestor - 145: <VEMAPP>
```

Tweede gebruiker mag niet inloggen.

```
2019-01-26 14:38:16,449 DEBUG [http-bio-8443-exec-2] EmccCommunicator - 145:
parseHomeLoginResponse
2019-01-26 14:38:16,452 ERROR [http-bio-8443-exec-2] EmccCommunicator - 145:
handleEmccErrorResponse - 25: Not allowed to log into multiple devices.
2019-01-26 14:38:16,452 ERROR [http-bio-8443-exec-2] EMServiceServlet - 145: Not allowed to log
into multiple devices.
2019-01-26 14:38:16,452 INFO [http-bio-8443-exec-2] EMServiceServlet - 145: EmccRequest
Processing Time: 438
2019-01-26 14:38:16,453 ERROR [http-bio-8443-exec-2] EMServiceServlet - 145: Error processing
EMCC request :com.cisco.emservice.MyException: Not allowed to log into multiple devices.
2019-01-26 14:38:16,453 DEBUG [http-bio-8443-exec-2] EMServiceServlet - 145: EMCC: Decrement
Counter
2019-01-26 14:38:16,453 INFO [http-bio-8443-exec-2] Counters - 145: Counters --
>145,96,29,10,0,0,0,33,34,0,0,0,32,0,21
```

Zaak 3: Meervoudige inloggedrag ingesteld op Auto Logout

Thuiscluster

```
2019-01-26 15:24:47,080 INFO [Thread-6861 ] EmccVisitingLogoutThread - 117EmccLogoutThread:
Logout Request sent to visitng cluster :
https://10.106.125.176:8443/emservice/EMServiceServlet
2019-01-26 15:24:47,080 DEBUG [Thread-6861 ] EmccCommunicator - 117: performDoLogout
2019-01-26 15:24:47,080 DEBUG [Thread-6861 ] EmccCommunicator - 117: formVisitingLogoutXml :
<emcc><visitingLogout><requestNum>117</requestNum><deviceName>SEPF8A5C59E1126</deviceName><clust
erId>mjunnur</clusterId></visitingLogout></emcc>
2019-01-26 15:24:47,080 DEBUG [Thread-6861 ] EmccCommunicator - 117: postMsg - Url =
https://10.106.125.176:8443/emservice/EMServiceServlet m_iHttpsTimeout = 0
2019-01-26 15:24:47,139 DEBUG [http-bio-8443-exec-12] DBRequestor - 117: t
2019-01-26 15:24:47,140 INFO [http-bio-8443-exec-12] LogoutScheduler - 117:
LogoutScheduler.removeLogout(): Dev: SEPF8A5C59E1126- removed logout
2019-01-26 15:24:47,140 INFO [http-bio-8443-exec-12] DBRequestor - 117:
DBRequestor.logoutDevName: Dev: SEPF8A5C59E1126- deviceLogout returned
2019-01-26 15:24:47,141 DEBUG [http-bio-8443-exec-12] EMServiceServlet - 117: 151: atbabu:
performHomeDeviceLogin for deviceName: SEPB000B4BA01F1
2019-01-26 15:24:47,141 INFO [http-bio-8443-exec-12] EMServiceServlet - 117:
computeLoginDuration: Device: SEPB000B4BA01F1 EMCC Request: true EM API Request: false Duration
Requested through EM API: -1
2019-01-26 15:24:47,143 INFO [http-bio-8443-exec-12] CMDatabase -
CMDatabase.getEndUserEmMaxLoginTime() : SELECT EmMaxLoginTime FROM EndUser WHERE userid=? :
parameters ( 'rak')
2019-01-26 15:24:47,152 INFO [http-bio-8443-exec-12] EMServiceServlet - Effective Login Duration
:36000 seconds
```

Raadpleeg voor het configureren van EM deze link:

<http://www.learnCisco.net/courses/cucm-basics/mobility-features/extension-mobility-configuration.html>

Raadpleeg voor de volledige configuratie van het EMCC deze link:

<https://www.cisco.com/c/en/us/support/docs/unified-communications/unified-communications-manager-callmanager/200599-Enable-UC-servers-for-Extension-Mobility.html>