

Extension MobilityとExtension Mobility Cross Cluster :CUCM 12.5の変更

内容

[概要](#)

[前提条件](#)

[要件](#)

[使用するコンポーネント](#)

[設定](#)

[12.5 より前](#)

[12.5以降の新しい変更](#)

[トラブルシューティング](#)

[Extension Mobilityのログ分析](#)

[ケース 1 : \[Multiple Login Behavior\]を\[Multiple Logins Allowed\]に設定](#)

[ケース 2 : \[Multiple Login Behavior\]が\[Multiple Logins Not Allowed\]に設定されている](#)

[ケース 3 : \[Multiple Login Behavior\]を\[Auto Logout\]に設定](#)

[EMCCのログ分析](#)

[ケース 1 : \[Multiple Login Behavior\]を\[Multiple Logins Allowed\]に設定](#)

[ケース 2 : \[Multiple Login Behavior\]が\[Multiple Logins Not Allowed\]に設定されている](#)

[ケース 3 : \[Multiple Login Behavior\]を\[Auto Logout\]に設定](#)

概要

このドキュメントでは、エクステンションモビリティのクロスクラスタに対するMultiple Login Behaviorのサービスパラメータの1つの変更について説明します。

前提条件

要件

このドキュメントに特有の要件はありません。

使用するコンポーネント

このドキュメントの情報は、次のソフトウェアとハードウェアのバージョンに基づいています。

- Cisco Call Managerバージョン : 12.5.0.98000-1078 および 12.5.0.99832-3
- Cisco IP Phone 8861
プロトコル:SIP
Firmware:12-0-1 SR1-1
- Cisco IP Phone 8851
プロトコル:SIP

ファームウェア : 12-0-1 SR1-1

このドキュメントの情報は、特定のラボ環境にあるデバイスに基づいて作成されました。このドキュメントで使用するすべてのデバイスは、初期（デフォルト）設定の状態から起動しています。本稼働中のネットワークでは、各コマンドによって起こる可能性がある影響を十分確認してください。

設定

エクステンション モビリティ : ユーザは、同じクラスタ上の別のCisco IP PhoneからCisco IP Phoneの設定（スピードダイヤル、ラインアピアランス）に一時的にアクセスできます。

クラスタ間のエクステンションモビリティ : この機能を使用すると、あるCisco Unified Communication Manager(CUCM)クラスタ（通常はホームクラスタと呼ばれる）のユーザは、別のCUCMクラスタ（訪問先クラスタと呼ばれる）のCisco IP Phoneに、ホームサイトでIP Phoneを使用するようにログインできます。

12.5 より前

サービスパラメータ **Intra-cluster Multiple Login Behavior** ([System] > [Service Parameter]) の順に選択し、**コールマネージャとエクステンションモビリティをサービスとして選択** (があり) がありました。このパラメータは、エクステンションモビリティの複数ログインを制御するために使用されます。有効な値は次のとおりです。

- 許可

ユーザは複数の電話機に同時にログインできます。

- Not Allowed

ユーザがいずれかの電話機にログインすると、別の電話機にログインできなくなります。

- 自動ログアウト

ユーザが1台の電話機にログインし、別の電話機にログインしようとする、2番目の電話機でログインが成功し、1番目の電話機からログアウトされます。

EMCCでは、そのような動作はありませんでした。複数のログインは常に許可されており、管理者には制御するオプションがありませんでした。

12.5以降の新しい変更

EMCCでは、複数のログインを柔軟に制御できます。 **Multiple Login Behavior** ([System] > [Service Parameter]) という新しいサービスパラメータが追加されました。このパラメータを使用して、Call Managerとエクステンションモビリティをサービスとして選択してください。この値は以前と同じです。

- 複数のログインを許可

- 複数のログインは許可されていません

- 自動ログアウト

注：ホームクラスタに適用されるサービスパラメータの設定値は適用され、クラスタにアクセスしません。

シナリオ例：複数のログイン動作パラメータは、ホームクラスタでは**Multiple Logins Not Allowed**に設定され、訪問先クラスタでは**Multiple Logins Allowed**に設定されます。

訪問先クラスタにログインして、訪問先クラスタ上の別の電話機に再度ログインしようとする、その場合はログインが許可されないため、パラメータはホームクラスタ上で**Multiple Logins Not Allowed**に設定されます。

トラブルシュート

Extension Mobilityのログ分析

ケース 1：[Multiple Login Behavior]を[Multiple Logins Allowed]に設定

サービスパラメータは次のようになります。

The screenshot shows the Cisco Unified CM Administration interface for Service Parameter Configuration. The 'Multiple Login Behavior' parameter is highlighted with a red box and set to 'Multiple Logins Allowed'. The suggested value is 'Multiple Logins Not Allowed'.

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 Allowed	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

エクステンションモビリティサービスログには、次のパラメータが表示されます。

```
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 -----

```

ケース 2 : [Multiple Login Behavior]が[Multiple Logins Not Allowed]に設定されている

サービスパラメータは次のようになります。

The screenshot shows the 'Service Parameter Configuration' page 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 its suggested value as 'Multiple Logins Not Allowed'.

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 Logs on Intra-Cluster EM *	False	False

エクステンションモビリティサービスログには、パラメータとして次のように表示されます (パラメータは次のとおりです)。

```

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
Max Login Duration String = 10:00

```

```

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 -----

```

エラーの印刷方法を次に示します。

```

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>

電話機に、このようなエラーが発生しています。



ケース 3 : [Multiple Login Behavior]を[Auto Logout]に設定

サービスパラメータは次のようになります。

Cisco Unified CM Administration

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 E.M.*	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.

エクステンションモビリティサービスログでは、パラメータとして次のように表示されます (IPアドレスは1000)。

```
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 -----
```

EMCCのログ分析

ケース 1 : [Multiple Login Behavior]を[Multiple Logins Allowed]に設定

ホームクラスタ

EMサービスログ :

電話機からの初回ログイン要求(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:

2番目の電話機から同じユーザを要求

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: Exceuting Stored Procedure:

訪問先クラスタ

電話機からの初回ログイン要求(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>

2番目の電話機から同じユーザを要求

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>

ログイン成功

```
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>
```

ケース 2 : [Multiple Login Behavior]が[Multiple Logins Not Allowed]に設定されている

ホームクラスタ

最初のユーザの要求

```
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 emccdynamice 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
```

2回目の同じユーザは許可されません。

```
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
```

訪問先クラスタ

```
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>
```

ログインに成功しました。

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

2番目の電話機からのログインを要求します。

```
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>
```

2番目のユーザはログインできません。

```
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
```

ケース 3 : [Multiple Login Behavior]を[Auto Logout]に設定

ホームクラスタ

```
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
```

EMの設定については、次のリンクを参照してください。

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

EMCCの完全な設定については、次のリンクを参照してください。

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