How to Enable Single Sign-On for Mobile Devices?

Applies to:
SAP Netweaver Mobile Client 7.11 and onwards. For more information, visit the [Mobile homepage](#).

Summary
This guide explains how to enable Single Sign-On facility for a mobile device

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# How to Enable Single Sign-On for Mobile Devices?

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**Terminologies**

Mobile Client - In this document this term refers to SAP NetWeaver Mobile 7.11 and onwards mobile clients.

DOE – Data Orchestration Engine

TIS – Ticket Issuing System

**Scenario**

This guide explains how an end user can enable and use Single Sign On facility for Mobile Client against a DOE system.

**Prerequisite**

1. SAP NetWeaver Mobile Client should be installed
2. A user created and registered against a DOE.
3. A Ticket Issuing System is already available.
4. DOE is configured against the TIS system to treat it as a Trusted System.

**What is SSO?**

A single sign-on facilitates the following

- User authenticates once against a security system
- User is afterwards automatically authenticated to other systems
How does sso Work for Mobile Devices?

**Explanation:**

- When SSO is enabled on the NetWeaver Mobile Client, it will connect to the ticket issuing system first to fetch the logon tickets.
- TIS then send a SAP Logon Ticket, upon authentication of the user.
- Once authentication is successful, the ticket issuing system will send back the SAP Logon ticket to the Mobile client.
- Now the mobile client connects to the DOE. The logon ticket which is now available in the client will be sent to DOE for authentication.
- The DOE will authenticate logon ticket if and only if the ticket is received from the trusted system which it is configured to.
- Upon successful authentication of the logon ticket, the mobile client will be notified and then either end user logon to the mobile client or synchronization can be successfully triggered.
How to enable SSO for mobile devices?

**DOE**
1. Identify a Ticket Issuing System. Make this system as a Trusted System with the DOE (Transaction : SSO2)
2. Make sure the same user is present in the TIS (Ticket Issuing System) and the DOE server.

**Mobile Client**
1. Enter the following properties in the ‘default.properties’ file of the client
      E.g.: http://pwdf6276.wdf.sap.corp:50010/sap/bc/mmw_device_sync?sap-client=000
   b. com.sap.tc.mobile.cfs.sso.SAPLogonTicketSupportEnabled = true
   c. com.sap.tc.mobile.cfs.sso.SAPLogonTicketRequestURL=<URL for Ticket issuing system>
      E.g.: http://ldcinx6.wdf.sap.corp:57700/irj/portal
   d. MobileEngine.UserManagement.ssologonsupport=true
2. Start the client. Logon screen for the Ticket Issuing System will be displayed as per the configuration.
3. Logon with the User name and password for the TIS.
4. Once the logon is successful, logoff. Now login again for DOE.
5. Now the SSO should be enabled for the user. During next synchronization, user will not be prompted for password.

**Troubleshooting**
- Many a times the ticket from the issuing system expires. For this, one can refer to SAP Note : 495911
- If DOE is unable to identify the logged in user, then always check the trusted system’s ACL entries in DOE via transaction SSO2.
Related Content

Setting Up Users in Data Orchestration Engine
Configuring Mobile Client for Laptops
Configuring the Mobile Client for Handhelds
For more information, visit the Mobile homepage
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