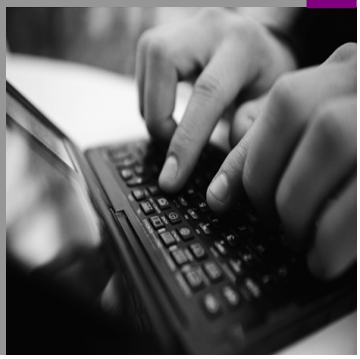

How-to Guide
SAP NetWeaver '04

How To... Achieve LtpaToken based SSO to Domino

Version 1.00 – May 2004

Applicable Releases:
SAP NetWeaver '04
(SP 15 onwards)

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1 Scenario

Currently no solution exists to Single sign on (SSO) from Enterprise Portal (EP) to a domino server running on non-windows platform, because there is no SAP Ticket Verifier on these platforms that can authenticate the SAP Logon Ticket.
The Purpose of the new feature is to provide SSO from EP to domino servers on non-windows platforms using Domino's native LtpaToken. In this document we describe the configurations and steps to be followed to achieve LtpaToken based SSO to Domino.

2 Introduction

Single sign on (SSO) from portal to other applications is achieved through **SAP Logon ticket**, which is issued by the portal server upon successful login to the portal and stored as a cookie in browser. This ticket is accepted natively by SAP systems and accepted via a web-server filter by third party applications like Lotus Domino. (Ex: DSAPI filter).
The DSAPI filter is currently available for domino servers running on windows. Hence to Single Sign On from EP to domino servers running on non-windows platforms Ex: Linux, HP-UX, SUN Solaris etc, we either have to:

1) Develop a DSAPI filter for each of these OS
2) We can make use of **LtpaToken** (a SSO token in the IBM world which is accepted natively by domino i.e. no web-server filter is required).

The solution implements the second approach i.e. it makes use of LtpaToken to SSO from EP to domino servers running on non-windows platform. The advantages of using this approach are:

1) The DSAPI filter needs to be installed only on the Domino locator server and not on each and every domino server in the landscape.
2) A single lotus transport needs to be created in the portal corresponding to the Domino locator server, since locating the mail server of the user is handled internally.

3 The Step By Step Solution

3.1 Domino-side Configurations

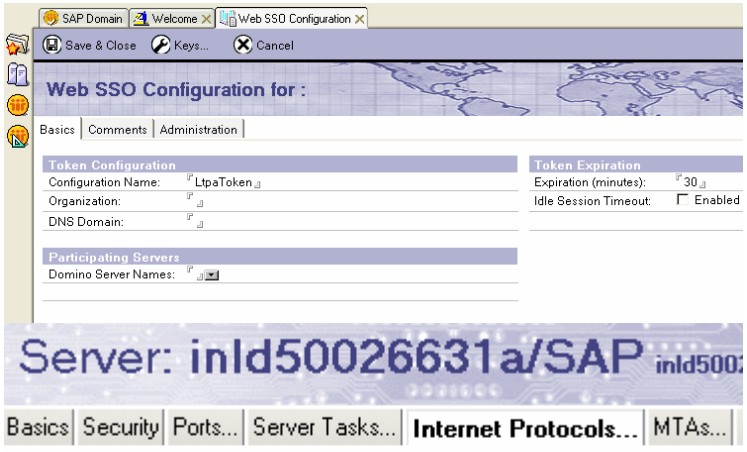
1. The landscape can have multiple domino servers out of which one has to be the **Domino Locator server**

2. The Domino Locator server must be running on windows based platform and must have the **SAP Ticket Verifier as the DSAPI Filter**

Details on how to SSO from EP to domino using SAP Logon ticket can be found at the following link

http://help.sap.com/saphelp_erp2004/helpdata/en/1d/3d59fdaa5ebb45967ea107d3fa117a/frameset.htm

3. Web SSO configuration has to be set up for LtpaToken



4. In the server document, set session authentication to Multiple servers(SSO) and select LtpaToken for Web SSO configuration

5. The **LDS-D** component (coll.appl.gw.translotus_api.jar) must be deployed on all the domino servers in the cluster

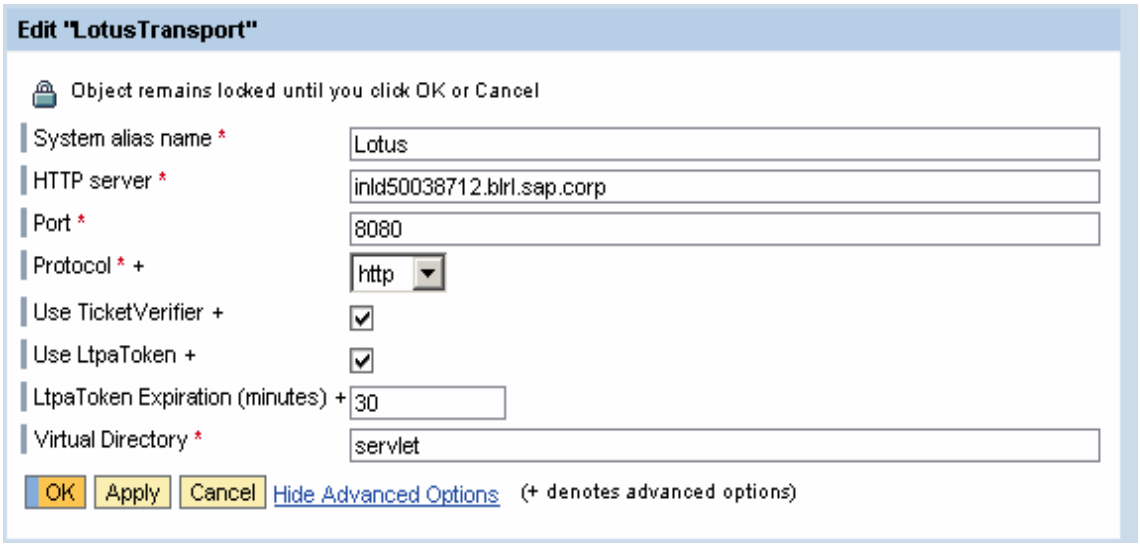
6. The Domino Locator server should have the Lotus Domino Directory containing the person document of all the users and server documents of all domino servers in the landscape

3.2 Portal-side Configurations

To configure a Lotus transport in SAP Enterprise Portal to SSO from EP to domino servers on non-windows platforms using Domino's native LtpaToken, choose *Collaboration* → *Transports* → *LotusTransport* from the detailed navigation area. You then edit the default instance created, and update it with appropriate values as described in the table below.

Attribute	**Description**	**Example**
Domino HTTP server	Domino Locator Server running on windows platform having DSAPI filter	`Mydomino.hostname.com`
Use TicketVerifier	Specify whether the SAP ticket verifier is present on the Locator domino server	Select if present, otherwise do not select. Note: The SAP ticket verifier must be present on the Domino Locator server for this feature to work.
Use LtpaToken	Specify whether the Web SSO configuration has been setup for LtpaToken.	Select if present, otherwise do not select. Note: LtpaToken must be configured for the domino cluster for this feature to work
LtpaToken Expiration (minutes)	Specify the LtpaToken expiration time in minutes. Note: This value should be less than or equal to the LtpaToken expiration time set in the Web SSO Configuration for LtpaToken in domino.	The default value is 30 minutes. Minimum value allowed is 1 minute. Maximum value allowed is 480 minutes.

Note: Both Use *TicketVerifier* and *Use LtpaToken* check boxes have to be checked for this feature has to work.


Edit "LotusTransport"
Object remains locked until you click OK or Cancel
System alias name *
Lotus
HTTP server *
inld50038712.blrl.sap.corp
Port *
8080
Protocol * +
http
Use TicketVerifier +
Use LtpaToken +
LtpaToken Expiration (minutes) +
30
Virtual Directory *
servlet
OK
Apply
Cancel
Hide Advanced Options
(+ denotes advanced options)

4 Appendix A – Technical Details

4.1 Process Flow

When the portal user who has enabled this new feature(By enabling both Use Ticket verifier and User LtpaToken in the Lotus Transport) performs any of the Lotus Domino connectivity provided operations :

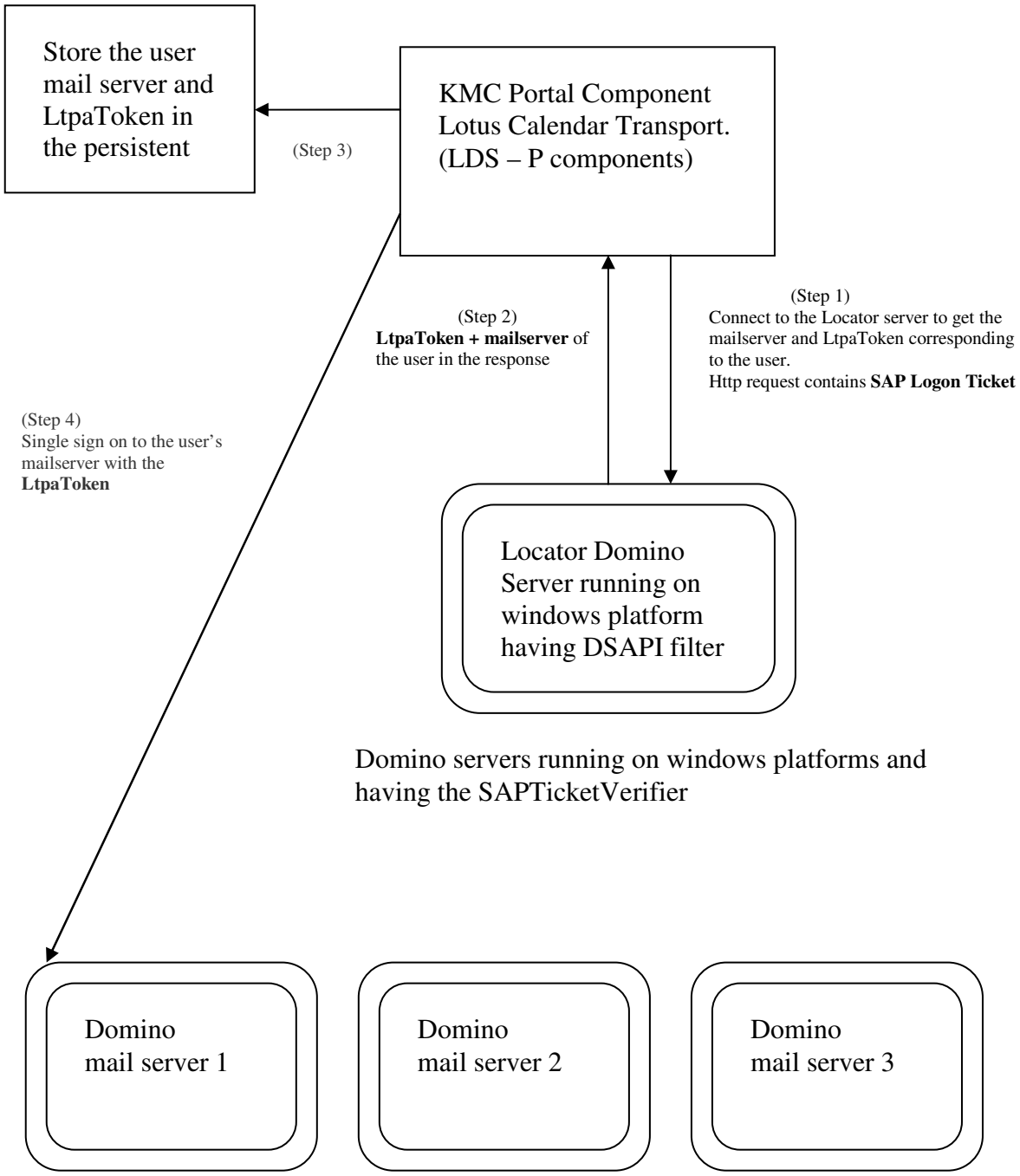
- Creating appointments
- Sending meeting requests
- Reading appointments
- Modifying appointments
- Deleting appointments
- Sending attachments

The KMC Portal Component, Lotus Calendar Transport (LDS-P component), for the first time performs the following operations :

1. SSO to the Domino Locator server with SAP Logon ticket as cookie and fetch the mailserver corresponding to the user.
2. SSO to the names.nsf in the Domino Locator server with SAP Logon ticket and fetch the Ltpatoken corresponding to the user.
3. Persist the user's mailserver and LtpaToken into the persistent store along with a timestamp indicating the time at which these values were persisted.
4. For all subsequent requests from the user LDS-P component looks into the user persistent store for the mailserver and Ltpatoken corresponding to the user.
5. Check if the time difference b/w the timestamp at which the LtpaToken was stored and the current time exceeds the LtpaToken Expiration time.

   If yes connect to names.nsf in the Domino Locator server with SAP Logon ticket and fetch a new Ltpatoken corresponding to the user.
6. If the LtpaToken has not expired use this LtpaToken to Single sign on the user's mailserver.

4.2 Diagrammatic Representation of Process Flow



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