Going Mobile with Lotus Traveler

Warren Elsmore
Agenda

- What is Traveler
- Installing the Server
- Configuration and Policies
- Clients
- Into the future!
What is Traveler

- Bi Directional synchronisation from Domino to a variety of Mobile devices
  - mail
  - calendar
  - contacts
  - to do
  - Journal / Memos
How Does it Work

- Runs as a Domino task
- Configuration done via Domino Administrator
- Customise quantity of data per user to sync
- OTA using GPRS or WiFi
- Compressed Data between client and server
- Encrypted Data to devices
- Supports device based VPNs
And shown as a pretty image
What Devices Are Supported

- iPhone OS2 and OS3
  - 3 Strongly recommended
- Nokia Series 60 3rd and 5th Edition Devices
- Windows Mobile Devices
  - Version 5+
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Server Pre-requisite

- Windows 2003 32bit or 64bit
- 512MB RAM
- 500MB Disk

- Domino 8.5+
  - For Traveler

- Domino 7.0.2 or higher
  - For Mail servers
  - Mail templates 6.5 or higher
Installing Traveler

- Server Installation
  - Installing the server software and configuration interface

- Server Installation
  - Installing the device software for download
Did It Install Correctly?

- Can you do ‘Load Traveler’

- Depending upon options chosen, your home page may now be different!
Sync requires 80 or 443

Auto-sync requires TCP port 8642

Currently!

Auto-Sync will move to 80 or 443 soon
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Configuration

HTTP configuration

Domino Servlet Configuration

» Home URL
» /servlet/traveler

Timeouts

<table>
<thead>
<tr>
<th>Timeouts</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP persistent connections:</td>
<td>Enabled</td>
</tr>
<tr>
<td>Maximum requests per persistent connection:</td>
<td>100</td>
</tr>
<tr>
<td>Persistent connection timeout:</td>
<td>180 seconds</td>
</tr>
<tr>
<td>Request timeout:</td>
<td>60 seconds</td>
</tr>
<tr>
<td>Input timeout:</td>
<td>75 seconds</td>
</tr>
<tr>
<td>Output timeout:</td>
<td>180 seconds</td>
</tr>
<tr>
<td>CGI timeout:</td>
<td>180 seconds</td>
</tr>
</tbody>
</table>
Mail Files

- Unread marks replicating
- Traveler server needs Manager access
- User must have an internet password
Configuration

- **Traveler tab on the server document**
- **Who can access traveler server**
- **Deny access to traveler**

### Lotus Traveler Access

<table>
<thead>
<tr>
<th>Access server</th>
<th>users listed in all trusted directories and MobileUsers</th>
<th>Not access server:</th>
<th>Remote user commands:</th>
<th>Enabled</th>
</tr>
</thead>
</table>
New Traveler Policy Settings

Sync

<table>
<thead>
<tr>
<th>Synchronization Options</th>
<th>How to apply this setting</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Auto Sync</strong></td>
<td>On, Off</td>
</tr>
<tr>
<td>Synchronize:</td>
<td>Email, Calendar, ToDo, Contacts, Journal</td>
</tr>
</tbody>
</table>

**Sync**

**Filter Settings**

**Device Settings**

**Security Settings**

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## Policies

### Filter Settings

<table>
<thead>
<tr>
<th>Mail Filters:</th>
<th>How to apply this setting:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email Body Translation:</td>
<td>Enabled</td>
</tr>
<tr>
<td>Maximum Email Attachment Size: Allowed - Administrator</td>
<td>4000 KB</td>
</tr>
<tr>
<td>Email Attachments:</td>
<td>Enabled</td>
</tr>
<tr>
<td>Email Attachment Size:</td>
<td>100 KB</td>
</tr>
<tr>
<td>Email Date Filter:</td>
<td>Enabled</td>
</tr>
<tr>
<td>Email Importance:</td>
<td>High Importance Only</td>
</tr>
<tr>
<td>Other Filters:</td>
<td>How to apply this setting:</td>
</tr>
<tr>
<td>Calendar Date Filter:</td>
<td>Past Events:</td>
</tr>
<tr>
<td></td>
<td>Future Events:</td>
</tr>
<tr>
<td>Journal Date Filter:</td>
<td>Enabled</td>
</tr>
<tr>
<td>Todo Status:</td>
<td>Enabled</td>
</tr>
</tbody>
</table>

### BLUG
Belux Lotus User Group
### Policies

#### Device Settings

<table>
<thead>
<tr>
<th>Logging Settings</th>
<th>How to apply this setting</th>
<th>Inherit from parent policy/child policies</th>
<th>Enforce in parent policy/child policies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device Logging Level:</td>
<td>『Low』</td>
<td>Don't set value</td>
<td>□ Inherit</td>
</tr>
<tr>
<td>Maximum Device Log File Size:</td>
<td>『2000』 KB</td>
<td>Don’t set value</td>
<td>□ Inherit</td>
</tr>
</tbody>
</table>

**Advanced Settings**

| Auto Sync Network:                    |『TOP Network』               | Don't set value                          | □ Inherit                              | □ Enforce                                |
| Low Battery Threshold:                | 『20』 percent               | Don't set value                          | □ Inherit                              | □ Enforce                                |
Policies

Security Settings
- Password enforcement
- Storage Card Encryption
- Auto-Wipe

Lotus Traveler Settings: Traveler settings

<table>
<thead>
<tr>
<th>Device Security</th>
<th>Violation Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device Password</td>
<td>Enforce</td>
</tr>
<tr>
<td>Password Type: Simple PIN</td>
<td>Report</td>
</tr>
<tr>
<td>Inactivity Timeout: 30 minutes</td>
<td>Report</td>
</tr>
<tr>
<td>Wrong passwords before wiping device</td>
<td>Report</td>
</tr>
<tr>
<td>Storage card encryption</td>
<td>Report</td>
</tr>
</tbody>
</table>
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Installing the Client

- Nokia E71
- iPod Touch
- Windows Mobile
User Deployment

- User browser to server URL
- Browser identified by traveler servlet
- Appropriate software downloaded
- User enters server name (you can’t change this later)
- User enters user name
- User enters password
- User enters optional sync details
User Deployment

- Windows Mobile and Symbian support ‘bootstraps’
- Bootstrap files
  - Contain pre-defined data for deployment
  - User downloads before install
  - Pre-configures settings
User Deployment

- iPhone devices need no client
- However, the iPhone ‘Lotus Notes Traveler Companion’ is available on the iPhone
- Provides support for Encrypted mail

- Make sure to apply 8.5.1 FP1
- Amongst other features, adds much better iPhone calendar support
Setting up Users

LotusTraveler.nsf

Autopopulates

Edit documents to

» Wipe device remotely (corresponds to device options)
» wipe data
» hard reset
» Deny Access

<table>
<thead>
<tr>
<th>Device Name</th>
<th>Security Policy</th>
<th>Access</th>
<th>Wipe Option</th>
<th>Wipe Status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>pmwork</td>
<td>No policy</td>
<td>Allow</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teresa Elmore/Kimono</td>
<td>No policy</td>
<td>Allow</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apple-Phone</td>
<td>No policy</td>
<td>Allow</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warren Elmore/Users/Corporate/BEG</td>
<td>No policy</td>
<td>Allow</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N97</td>
<td>No policy</td>
<td>Allow</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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Into the Future! - Palm Pre

Not supported by Traveler (may not be?)
However, does support ActiveSync
Requires a single URL redirection

Web Site Rule

<table>
<thead>
<tr>
<th>Basics</th>
<th>Comments</th>
<th>Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description:</td>
<td>Palm Pre Traveler Activesync</td>
<td></td>
</tr>
<tr>
<td>Type of rule:</td>
<td>Redirection</td>
<td></td>
</tr>
<tr>
<td>Incoming URL pattern:</td>
<td>/Microsoft-Server-ActiveSync/*</td>
<td></td>
</tr>
<tr>
<td>Redirect to this URL:</td>
<td>/servlet/traveler/Microsoft-Server-ActiveSync</td>
<td></td>
</tr>
<tr>
<td>Send 301 Redirect:</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

Thanks to Jess Straton of LotusUserGroup.org
Into the Future! - Android

Contains ActiveSync support, but won’t connect to Lotus Traveler out of the box
Android forces a DOMAIN\Username format login which is not recognised

An app is available to provide support - Touchdown
This provides Exchange / Lotus Traveler support for all Android phones

Check out Mitch Cohens’ blog
http://www.curiousmitch.com/CuriousMitch/mitch2.nsf/d6plinks/MCON-7YCTVM
IBM Announced Android support for Traveler at Lotusphere 2010

Coming at some point, to some version of Domino

Lotus Traveler on Linux is coming (soon!)

I’ll tell you when I can ;-(
Questions?

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