

# Understanding Smart Card Web Server Technology

Imagine new, graphically-rich and standardized SIM-based services deployment



**Boost service usage** via a user-friendly interface allowing service discovery and easy access to content. Operators now have the opportunity to present all their services, from whichever location (network or local), in the same place, thanks to the **Smart Card Web Server (SCWS) technology**. This one day seminar will allow you to understand what we can do with this technology, how the solutions can be implemented, and gives examples of **real-life use cases**.



## At the end of the training you will

- > Have an overview on SCWS technology, how it works & what it's used for
- > Understand the card & network architecture and associated standards for an SCWS solution
- > Have an overview of remote management of SCWS content
- > Be able to describe examples of SCWS use cases

## Who should attend

- > Marketing Staff
- > Project Managers
- > IT Managers

### Pre-requisites:

- > A basic knowledge of mobile networks would be useful

This course is held in English

## Key topics

- |  |                                  |
|--|----------------------------------|
| > Smart Card Web Server                  | > OMA, ETSI Standards            |
| > SIM Visual Interface                   | > SCWS & Card Memory (NAND...)   |
| > Remote Card Administration over TCP-IP | > Servlet customisation overview |



Day 1	Practice
<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>&gt; What is Smart Card Web Server (SCWS) technology</li> <li>&gt; What is SCWS technology used for: Handset Home-screen management; SIM Visual Interface (SVI) FOR Services Portal, Contactless User Interface...</li> <li>&gt; Overall Architecture (Card-Handset-Server...)</li> <li>&gt; Remote management of SCWS solutions</li> </ul> <p><b>SCWS Technology in the Card</b></p> <ul style="list-style-type: none"> <li>&gt; How SCWS fits into the SIM card: Positioning of the solution within OS</li> <li>&gt; SIM – Mobile Protocols</li> <li>&gt; Standards: OMA, ETSI, Servlet API</li> <li>&gt; Handset Specifics &amp; Requirements</li> <li>&gt; How data (web pages) is stored in File systems                             <ul style="list-style-type: none"> <li>o Non-NAND Flash cards (MM ready)</li> <li>o NAND Flash “Multimedia SIM” cards (Full MM)</li> </ul> </li> <li>&gt; What are Servlets and what are they used for?</li> </ul> <p><b>Remote Management of SCWS-based Solutions</b></p> <ul style="list-style-type: none"> <li>&gt; Classic OTA architecture: Push vs Pull mechanism</li> <li>&gt; Remote Management Security Protocols</li> <li>&gt; 23.048 to https</li> <li>&gt; OTA Proxy overview</li> <li>&gt; Applet Polling overview</li> <li>&gt; “LiveServices” for remote management of SCWS solutions                             <ul style="list-style-type: none"> <li>o Overview of solution: Auto-provisioning; SVI &amp; Home-screen Segmentation management...</li> <li>o Service Rendering &amp; Usage tracking overview</li> </ul> </li> </ul> <p><b>SCWS Use Cases: Presentation &amp; Demos</b></p> <ul style="list-style-type: none"> <li>&gt; Segmented Services Portal; Handset Home-screen;</li> <li>&gt; Advertising; Content Store, TV-voting; News Updates; Remote Management of SCWS use cases</li> </ul>	<p>Demo: Loading static pages in the card using Card Administration Tool</p> <p>Demos: Browsing Static pages (FAQ, News) offline &amp; online</p> <p>Demo of LiveServices solution</p> <p>Demos: Operator services show-case: Advertising; TV-voting; News...</p>

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