









UISS Technical Architecture - Overview		
Application         1)       AJAX(HTML/DHTML/JavaScript/CSS/) & ASP.NET         2)       .NET C# Servers (Component Services) and Web Services         3)       Integration to the mainframe via Web Services         Web Services (WS-1 1.0/1.1 Compliant)       1)         1)       0.4 WebDaptive Logging (Public) – Used for logging and audit purposes		
<ol> <li>QAT WebDaptive Authorization (Public) - Authenticate users to EDD Active Directory</li> <li>QAT WebDaptive Authorization (Public) – Used to send e-mail for the UISS application</li> <li>QAT WebDaptive Session (Public) – Maintain state &amp; information between AJAX Web UI and AllFusion Gen ASP.Net (C#)</li> </ol>		
<ol> <li>QAT Security (Public) – Fine grained application security and user profile</li> <li>QAT DDM (Public) &amp; UISSWS (Private) – Look-up Tables for UISS</li> <li>EDDScheduler (Private) – Integration to the mainframe and mass rescheduling</li> <li>Programming Languages/IDEs/DBMS</li> </ol>		
1)         HTML/DHTML/JavaScript           2)         ASP.NET           3)         C# & COBOL           4)         AllFusion Gen 7.5		
5) Visual Studio .Net 2003 6) SQL Server 2000 <u>Networking</u> 1) TCP/IP		
2) SOAP Using HTTPS over TCP/IP & SOAP Using HTTP over TCP/IP 3) HTTP & HTTPS over TCP/IP 4) .Net Remoting		













## **UISS User Group Security**

· Logical User Groups Established for access





## UISS Technical Architecture – Web Services

- <u>6 Public Services were consumed for UISS-available for EDD wide use and SOA Governance:</u>
   QAT WebDaptive Logging Web Service (Public) provides enterprise application logging to file and windows event
  - log
    2. QAT WebDaptive Mail Web Service (Public) provides enterprise application mail service with or without attachments
  - 3. QAT WebDaptive Authorization Web Service (Public) provides user authentication to EDD's active directory or LDAP server
  - 4. QAT WebDaptive Session Web Service (Public) provides simple access to global application data per user/application or global data for multiple users/applications for heterogeneous web technologies ( i.e. AJAX & AllFusion Gen ASP.Net)
  - 5. QAT Security Web Service (Public) handles fine grain application security and user profile data for the UISS application (i.e. role based tree menu, enable and disable application functions)
  - 6. QAT DDM Web Service (Public) provides universal access to look up tables for UISS. In addition, is a dynamic data Web Service for any definable data structure with dynamic AJAX Web UI for maintenance. (i.e. Holiday Table, Calendar etc...)

## <u>3 Private Services were created for UISS</u>

- 1. EDDScheduler (Private) integration between CICS and the new .Net UISS. UDAR and UDET1 CICS programs consume this .Net Web Service for real-time scheduling information and to complete the appointment process.
- 2. EDDMassSch (Async) method to mass re-scheduling / mass unscheduled process.
- 3. UISSWS (Private) used to access the Look-up Tables that reside UISS Application RDBMS for QAT DDM's AJAX Web UI

Scheduling Web Service	)
<ul> <li>CA Gen code was wrapped to provide a web service.</li> <li>Existing mainframe applications could integrate with new .net system via this web service.</li> <li>Batch processes were also wrapped Gen procedures.</li> </ul>	
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