



F E D E R A L
S T U D E N T A I D
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Integrated Technical Architecture – Upgrades Update

August 21, 2002



Agenda

Objectives

Product Information

FY03 Upgrade Plan

Channel Applications Affected

Questions / Discussion



Objectives

- Inform Channels
- Explain product list and functionality
- Communicate plans for next Fiscal year



Sequencing Plan

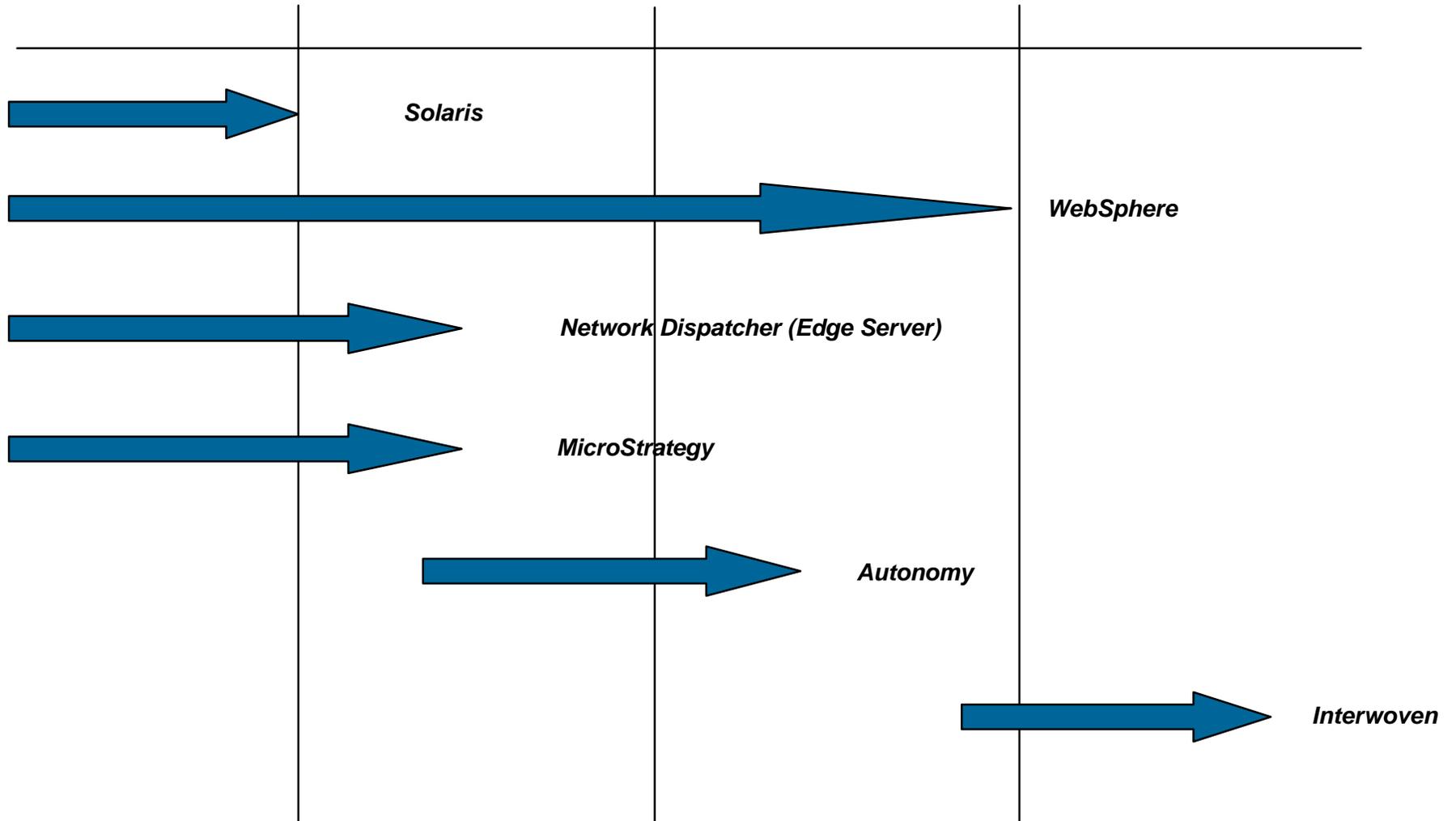
Aug 2002

Dec 2002

March 2003

June 2003

Sept 2003





Solaris Upgrade

Software Description	New Version Enhancements/Functionalities
<ul style="list-style-type: none">▪ SUN Solaris operating system▪ Flavor of UNIX▪ Currently running at Solaris 2.6▪ Also run HP-UX in some environments	<ul style="list-style-type: none">▪ Upgrade to Solaris 2.8▪ 32 & 64-bit capability▪ Performance enhancements<ul style="list-style-type: none">• Advanced bandwidth• CPU efficiency
Applications Affected	Timeline
<ul style="list-style-type: none">▪ FAFSA▪ IFAP▪ Campus Based▪ Students.gov▪ FP Portal▪ Students Portal▪ Schools Portal▪ Students.gov▪ Program Guidance▪ FSANet▪ Financial Partners Data Mart▪ Credit Management Data Mart	<ul style="list-style-type: none">▪ Initial development servers will begin to be upgraded late August 2002 into early September 2002▪ Production ITA servers will be upgraded by end of December 2002



WebSphere Upgrade

Software Description	New Version Enhancements/Functionalities
<ul style="list-style-type: none">▪ J2EE Application Server▪ Processes Business Logic of application▪ Facilitates calls to application databases and back end systems▪ Currently running WebSphere 3.5.X▪ Support multiple applications on both HP & SUN architectures	<ul style="list-style-type: none">▪ Upgrade to version 4.0.3▪ New development tool<ul style="list-style-type: none">• WSAD▪ Performance enhancements<ul style="list-style-type: none">• Session improvements• Better scalability▪ J2EE certified▪ Easier Administration▪ Web Services Support▪ New application deployment tools
Applications Affected	Timeline
<ul style="list-style-type: none">▪ FAFSA▪ IFAP▪ Students.gov▪ Campus Based▪ FSACoach▪ FSANet▪ Students Portal▪ Financial Partners Portal	<ul style="list-style-type: none">▪ Initial WebSphere 4.0 install occurring now▪ FAFSA (HP) will be migrated to WebSphere 4.0 by June 2003▪ SUN applications will be migrated to WebSphere 4.0 by April 2003



MicroStrategy Upgrade

Software Description	New Version Enhancements/Functionalities
<ul style="list-style-type: none">▪ Data Reporting Tool▪ Uses data warehouse technology▪ Provides ability to do Ad-hoc and custom reporting▪ Warehouse populated by Informatica loads	<ul style="list-style-type: none">▪ Web based interface for development▪ Moving away from client server environment▪ 508 compliant▪ Bug fixes from earlier version of MicroStrategy
Applications Affected	Timeline
<ul style="list-style-type: none">▪ Financial Partners Data Mart▪ Credit Management Data Mart▪ NSLDS II▪ Delinquency Load Mart	<ul style="list-style-type: none">▪ Purchasing new software now▪ Plan to begin upgrade in development in September 2002▪ Production release completed by early December 2002



Network Dispatcher Upgrade

Software Description	New Version Enhancements/Functionalities
<ul style="list-style-type: none">▪ ITA Load Balancing tool▪ Part of IBM WebSphere Suite Edge Server▪ Provides advanced application load balancing in high availability environment▪ Currently running version 3.6.1 (Edge Server 1.3)	<ul style="list-style-type: none">▪ Upgrade to version 4.0 (Edge Server 2.0)▪ Advanced site caching▪ Extended capabilities in customizing load balancing and monitoring▪ Ability to set up rules based on load and server availability▪ Enhanced security
Applications Affected	Timeline
<ul style="list-style-type: none">▪ FAFSA▪ IFAP▪ Campus Based▪ Students.gov▪ FSANet▪ Financial Partners Portal▪ Students Portal▪ Program Guidance▪ FSACoach▪ Schools Portal▪ Financial Partners Data Mart▪ Credit Management Data Mart	<ul style="list-style-type: none">▪ Development environment to be upgraded by October 2002▪ Production environments to be upgraded by January 2003



Autonomy Upgrade

Software Description	New Version Enhancements/Functionalities
<ul style="list-style-type: none">▪ ITA Search tool▪ Provides ability to search internet and application content via keyword searches and custom fields▪ Searchable content repositories are accessible to all FSA teams using Autonomy (I.e. Students Portal can access the same data as IFAP if requirements depicted)	<ul style="list-style-type: none">▪ Upgrade to DRE 4.0▪ Advanced search returns based on indexes and custom fields▪ Extended customization capabilities▪ Advanced indexing options for pdf, word, powerpoint, etc document types▪ Upgrade to component that indexes Internet content
Applications Affected	Timeline
<ul style="list-style-type: none">▪ IFAP▪ Students Portal▪ Financial Partners Portal▪ FSANet▪ Program Guidance▪ FAFSA▪ Schools Portal	<ul style="list-style-type: none">▪ Upgrade will take place January 2003 – April 2003



Interwoven Upgrade

Software Description	New Version Enhancements/Functionalities
<ul style="list-style-type: none">▪ Content Management tool – ability to version and deploy content to web sites▪ Currently running TeamSite 5.0.1▪ Utilize rich text formatting within templates▪ Provides dynamic capabilities to FSA web sites▪ Utilize workflow process for approval and automatic deployment to application environments▪ Able to deploy data and files to application servers and databases	<ul style="list-style-type: none">▪ Upgrade to version 5.5▪ Bug fixes▪ Advanced Maintenance capabilities▪ Enhanced administration tool for automatic deployments▪ Advanced workflow capabilities for editing and approving content
Applications Affected	Timeline
<ul style="list-style-type: none">▪ IFAP▪ Schools Portal▪ FSANet▪ Program Guidance▪ Financial Partners Portal▪ Students Portal▪ FAFSA	<ul style="list-style-type: none">▪ Upgrade will take place June 2003 through August 2003



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Questions?

