

Internal industry update – week ending: 05-01-14 [#115]



Environment

Reporting (quarterly)

- ❖ Red Hat: reports revenue up 55% – to \$51m and net income up 155% to \$11m.

Industry and economy

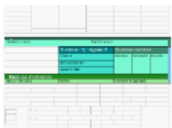
- ❖ NW management: EMC buys SMARTS – for \$260m. System Management ARTS, which has revenue of about \$60m, has InCharge real-time network systems management SW. EMC want to apply its modeling, correlation and root-cause analysis technology to extend EMC's information and storage management capabilities. [InCharge has been interfaced to Metis - linking operational management models to EA models].
- ❖ NW management: Cisco buys Protego – for \$65m to access more technologies for self-defending networks. Protego makes rack-mounted security appliances that allow companies to manage information related to network attacks and security policies. PN-MARS appliances can collect and correlate logged data and configuration information from a range of security products and network devices, including switches, routers and firewalls. Visualization features allow network administrators to identify security hot spots or vulnerabilities on their networks. Using mitigation features in the products, administrators can respond manually or automatically to threats by pushing out configuration changes or commands to specific devices. A component called the PN-MARS Global Controller, released in October, allows companies to manage multiple Protego appliances on a network, giving administrators a central control and management point.
- ❖ Advice: Gartner buys Meta – for \$162m. Gartner had \$858m in revenue last year from 76 locations and Meta had \$122m from 52 locations.
- ❖ BI: IBM buys Systems Research & Development – SRD makes analytics software that specializes in getting information about individuals' identities and discovering obscure associations with its Non-Obvious Relationship Awareness (NORA) SW.
- ❖ Telecommunications: BEA buys Incomit – The Incomit technology will be used to improve the customization of services and connectivity between telco and IP networks.

Online services

Consumer on-line services

- ❖ Identity: eBay drops Passport – eBay is to drop support for MS Passport.
- ❖ Location: MapQuest.com Send-to-Phone – allows users to visit MapQuest.com and request maps/directions that will be sent to their cell phones. MapQuest.com has 30m+ users. The Mobile service costs \$4 a month.

Business services, management, product services and intelligence



Business management

- ❖ Compliance: IBM Score – is a solution for compliance in a Regulated Environment. It is a suite of middleware tools that includes document/data management, application integration, BPM and collaboration to help compliance with GxP, 21CFR11 and Sarbanes-Oxley Act requirements.

Business services

- ❖ Transport: truck toll system – begins operation in Germany using GPS technology to track distances trucks travel on toll roads and GSM networks to transmit data for billing. The government aims to generate more than \$4 billion annually from the system. Similar systems could be used for car fleets and to monitor compliance (e.g. speed).

Business tools – produce, collaborate, organise knowledge

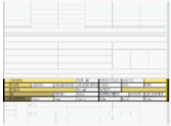


Produce

- ❖ Productivity: Deutsche Bank is using an XML conversion engine – XL2Web Publisher conversion engine allows Deutsche Bank to send PDF files of investment models to institutional investment clients.

Organise

- ❖ Content management: Plone – is an open-source CMS built on Zope that supports templates, objects, and has a rendering engine.



Software infrastructures

Presentation & integration

- ❖ Thin Clients: MS extends Citrix relationship to Longhorn – Citrix's MetaFrame Access Suite runs on MS's Terminal Server.
- ❖ Browser: Opera – has stronger support for RSS, bigger browsing space, cleaner menus, better printing support, supports Gmail, and has voice support (from IBM's embedded ViaVoice).

Language & other

- ❖ Linux: Asianux 2.0 in July – is a Linux distribution being developed by companies in China, Japan and South Korea as a standard Linux version for Asia.

Data & metadata

- ❖ Database: MySQL 5.0 – has enterprise-level functionality such as stored procedures and triggers and is in beta. Open source databases (MySQL, Ingres, PostgreSQL) are gaining momentum.
- ❖ Database: DB2 XML – IBM will add native XML support to DB2 Universal Database. To improve XML, better indexing attributes will enable advanced searches and more filtering. IBM is also adding support for XPath and XQuery data models. IBM says it doesn't believe that all information will ever be in one place, and what's going to be important is providing companies with the ability to hide the complexity/location of information with integration middleware. As the proliferation of SOAs continues, XML will play a prime role in BP operations due to its ties to content management, analytics, information integration and WS.
- ❖ OLAP: Opensource – Mondrian is an open-source OLAP server that accesses relational databases and supports MS's Multidimensional Expressions language (MDX), Java OLAP (JOLAP) and XML for Analysis APIs. JPivot provides a JSP tag library for tables and charts and acts as a Mondrian client.

Implementation

- ❖ SUN Migration: Rogue Wave – will port its enterprise C++ development toolkits (SourcePro Core, SourcePro Net, SourcePro DB, SourcePro Analysis, Rogue Wave LEIF) to Solaris 10 (Sparc & Opteron).
- ❖ 4GL: Gupta Team Developer 2005 – is an alternative to J2EE/.Net and now runs on Linux. It compiles down to C++.

Platform – clients



Clients mobile

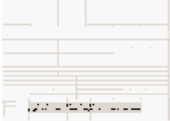
- ❖ Outerwear: Motorola – will release jackets/helmets/caps (snowboarding) that use interactive cell phone and portable music technology. The clothes will use Bluetooth technology (e.g. to connect devices in helmets to those in jackets).
- ❖ CPU: AMD Turion – a mobile processor in thin-and-light notebooks that will consume less than 35 watts.
- ❖ Phones: Vonage F-1000 – Vonage Wi-Fi handsets for subscribers to use at home or around town use the 802.11b standard and VoIP.

Clients desktop

- ❖ Clients: not Itanium – MS drops plans for Windows XP on Itanium 2s.

Clients input/output, other

- ❖ Displays: Samsung prototype 21 inch OLED display – has a WUXGA (Wide Ultra Extended Graphics Array) resolution, 400 candela per square meter (nits), a contrast ratio of 5000:1. OLEDs don't need to power a backlight (an LCD does) and are more responsive to fast-moving images.



Platform – servers

Servers

- ❖ Blade: RLX drops its HW – and will focus on developing and marketing its RLX Control Tower 6G blade server management software suite. It says the blade market is commoditized, which is only advantageous to the big players.
- ❖ Servers: IBM 32-Xeon CPU – will be shipped this year; IBM will also sell blade systems using Opterons.



Platform – utilities, storage, networking, management and security

Utilities

- ❖ NW: SBC U-verse – IP based services: integrated next-generation TV (video on demand, digital video recording with remote access and multimedia interactive programme guides); high-speed Internet access; VoIP for home; unified wireless communications (voice mail, e-mail and fax).

Storage

- ❖ Disk: Hitachi high capacity drives – 500Gb, 3.5in drives and 10Gb 1-in. Microdrive (that is 20% smaller and consumes less power).

Network

- ❖ Switches: McData DS1000 – an intelligent, director-class switch that will offer 256 ports and unique hard-partitioning capabilities.
- ❖ WiFi: Broadcom SecureEasySetup – works with the Wi-Fi chips to set up secure connections between home wireless devices using the WPA (Wi-Fi Protected Access) security standard. WPA provides a stronger level of protection than WEP (Wired Equivalency Protocol).

Systems and network management

- ❖ Integrity management: MS Windows AntiSpyware – helps identify and destroy malicious code. MS has also released a malicious-software-removal tool, which is designed to scan and rid infected PCs of worms, viruses, and other malicious code.



Governance and quality – Standards

Presentation & integration

- ❖ BTP: Business Transaction Protocol – OASIS announces the approval of BTP v1.1. BTP is a carrier-neutral protocol designed to allow co-ordination of application work between multiple autonomous, cooperating participants. BTP uses a two-phase outcome co-ordination protocol to ensure the overall application achieves a consistent result. It defines communications protocol bindings to SOAP, but also allows the transport of BTP messages over other communication protocols so it can be layered on any underlying transport mechanism, including ebXML Messaging, RosettaNet, or XML-PC (SOAP).

- ❖ WS-CDL (Web Services Choreography Description Language Version 1.0) – W3C publishes a Last Call Working Draft for comment and discussion. WS-CDL is an XML-based language that describes peer-to-peer collaborations of parties by defining their common/complementary observable behavior, where ordered message exchanges result in accomplishing a common business goal. It is targeted for composing interoperable collaborations between any type of party. The WS stack targeted for integrating interacting applications consists of the following components: 1) SOAP (defines the basic formatting of a message and delivery options independent of programming language/OS/platform); 2) WSDL (describes the static interface of a WS i.e. the message set and the message characteristics of end points); 3) Registry (allows publishing of the availability of a WS and its discovery); 4) Security layer (ensures info is not modified or forged and that parties can be authenticated); 5) Reliable Messaging layer (provides exactly-once and guaranteed delivery of info between parties); 6) Context, Co-ordination and Transaction layer (defines interoperable mechanisms for propagating context of long-lived business transactions); 7) BP languages layer (describes the execution logic of WS-based applications by defining their control flows e.g. conditional, sequential, parallel and exceptional execution); 8) Choreography layer (describes collaborations of parties by defining common/complementary observable behavior, where info exchanges occur, when the jointly agreed ordering rules are satisfied). WS-CDL as a choreography language is not an executable BP description language nor is it an implementation language as a choreography language meeting the W3C model definition does not depend on a specific BP implementation language.

Data & metadata

- ❖ XInclude: W3C releases XML Inclusions V1.0. – It provides a generic method for merging XML documents into a single composite document. XInclude can be used with any version of XML, as well as with other existing XML-related specs e.g. XML Schema, XSLT, SVG, VoiceXML, etc.

