

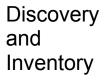
# How to reduce redundant Software

### **Fabio Riva**

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# IT Asset Management Overview

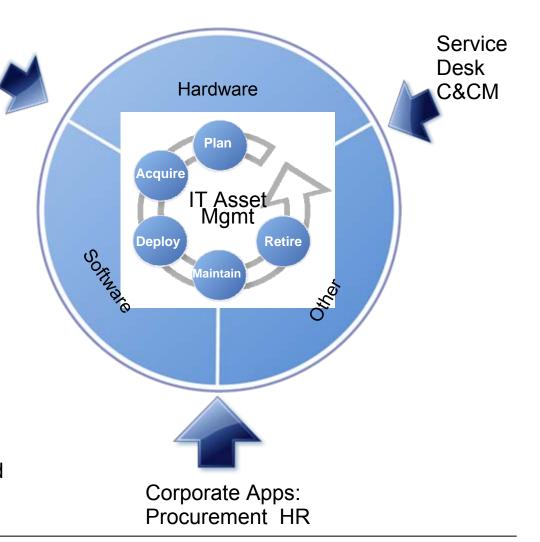


## IBM IT Asset Management provides

- Asset Lifecycle Management
- Software Asset Management
- Audit Readiness
- IT Asset Financial Management
- Open platform for integration
- Easy maintenance and upgrade

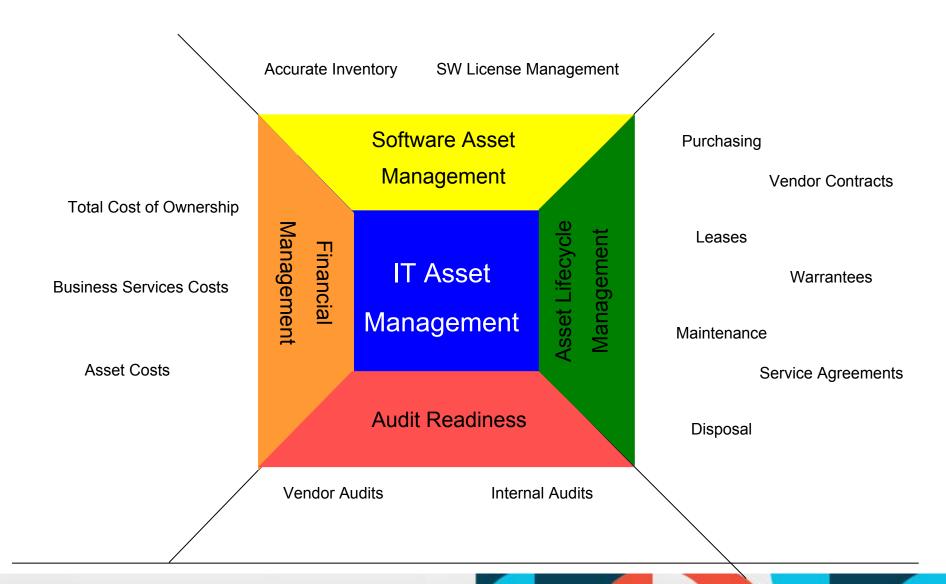
### **Products Include**

- Tivoli Asset Management for IT
- Tivoli Asset Discovery for Distributed
- Tivoli Asset Discovery for z/OS





# IT Asset Management Business Priorities





# Software Asset Management

#### **Business Need**

- Understand and control:
  - Purchased software contracts, agreements and license entitlements
  - Deployed SW inventory, software usage and associated HW environment

#### **Business Drivers**

- Identification and reduction of no and low use software
- Comply with Sarbanes-Oxley Section 404
- Vendor / Application Portfolio Rationalization
- Strong vendor contract negotiation leverage
- Leverage new technologies without increasing business expense or risk
  - Multi-core processors
  - Virtual machines
  - Cloud computing

#### **Business Value Delivered**

- Reduce software budget
- Mitigate audit risk

#### **Main Questions:**

- Am I using the software that I have deployed?
- Are my contracts and purchase agreements efficient?
- When do my leases, warrantees and support agreements expire?

### **IBM Products:**

- Tivoli Asset Management for IT
- Tivoli Asset Discovery for Distributed
- Tivoli Asset Discovery for z/OS)



# Asset Lifecycle Management

#### **Business Need**

- Improve visibility and control of all IT assets through their lifecycle
- Obtain accurate asset data to enable appropriate and timely action across the business

#### **Business Drivers**

- Simplify purchasing and contract management
- Improve planning capability
- Improve asset utilization by extending it's life
- Improve employee/customer service
- Optimize energy efficiency of assets

#### **Business Value Delivered**

- Reduce IT asset cost through visibility and control
- Increase time-to-value with ITAM best practices
- Maximize lifetime productive value of assets
- Improve efficiency through role drive UI and workflow
- Better IT service that meets increasing business demand

#### **Main Questions:**

- Do I know what assets I own?
- Where are they located?
- Are we tracking IMAC's?
- Are assets being maintained and is maintenance being done properly?
- Am I abiding by corporate and governmental procedures and standards?

### **IBM Products:**

Tivoli Asset Management for IT



# IT Financial Management

#### **Business Need**

- Visibility and control over IT operating and capital costs
- Reduce Total Cost of Ownership of IT assets
- Understand IT costs to determine line of business, product and service profitability

#### **Business Drivers**

- Optimize the lifetime value of mission critical assets
- Financial Management approval of shared technology investments (e.g. virtualization)
- Chargeback for business services delivered (e.g. Cloud Computing)
- Reduce costs through utilization of energy efficient assets

#### **Business Value Delivered**

- Align IT spending with business objectives
- Increase Return on Assets
- Lower infrastructure costs

#### **Main Questions:**

- What are my asset costs? TCO?
  - By Asset
  - By Department
  - By Individual
- How much do my contracts cost?
- Can we allocate costs fairly and effectively?

### **IBM Products:**

- Tivoli Asset Management for IT
- Tivoli Usage and Accounting Manager
  - Tivoli Decision Support for z/OS



## Audit Readiness

#### **Business Need**

- Be prepared for software audits 24x7
- Understand licenses and their relationship to contracts
- Accurate information about software inventory and usage in both distributed and mainframe environments

#### **Business Drivers**

- Reduce business risk due to vendor-specific software audits
- Support requirements of internal audits
- One solution for all vendors, contract and license types
- Centralized management of all contracts, licenses and inventory for all vendors

### **Business Value Delivered**

- Cost avoidance of unplanned license compliance penalties
- Reduce costs to conduct internal / vendor audits

#### **Main Questions:**

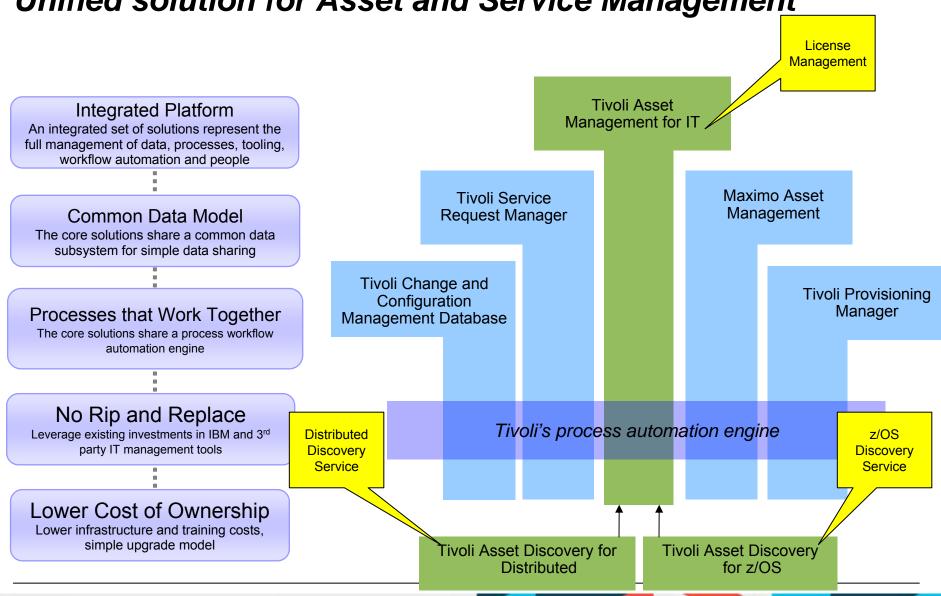
- What am I entitled to?
- What's deployed in my environment?
- Am I over or under purchased?

### **IBM Products:**

- Tivoli Asset Management for IT
- Tivoli Asset Discovery for Distributed
- Tivoli Asset Discovery for z/OS

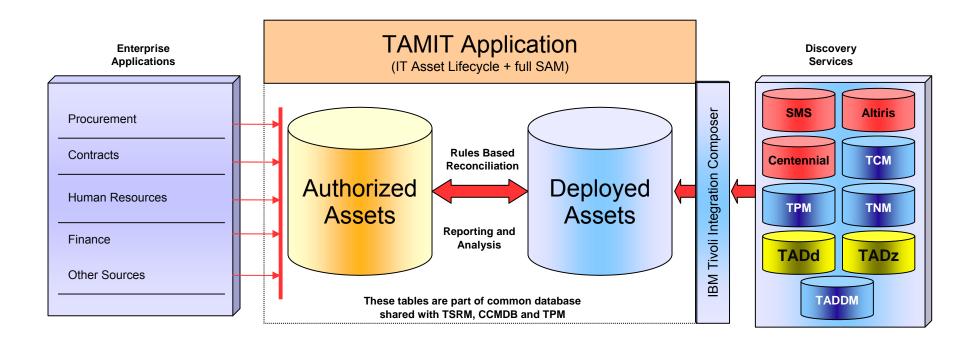


Unified solution for Asset and Service Management





# Tivoli Asset Management for IT





## Tivoli Asset Management for IT (TAMIT) - Capabilities

### Contract Management



- Contract Terms & Conditions
- Notifications
- Software Contracts
- Software License Management

### Procurement



- Procure based on standards
- · Create and route purchase orders
- Use catalogs
- Integrate with ERP systems

### Financial Management



- Purchase/Lease Cost Tracking
- Work/Service Cost Tracking
- · Total Cost of Ownership

### **Asset Discovery**



- Desktop Discovery
- Server Discovery
- Software License Usage (Distributed & z/OS)
- Deep Network Device Discovery
- · Storage Device Discovery

### Asset Management



- Software Asset Management
- · Hardware Asset tracking
- Installs, moves, adds, changes
- Reconciliation/Audit
- Extend beyond IT (data center facilities, power, etc.)

### Work Management



- Work planning and scheduling
- Skills, labor, and inventory management
- · Service plans and cost management

### Service Management



- Tivoli CCMDB
- Support service desk with asset configuration data
- Service Impact Management

### Easy Configuration



- UI, dashboards, KPIs, reports
- Process workflows with alerts & escalations
- New applications

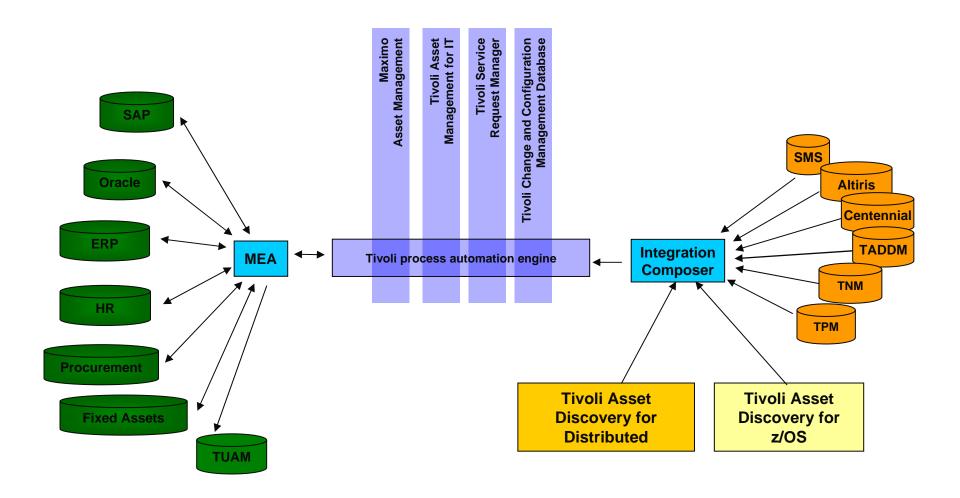
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**IT Asset** 

Management



# **TAMIT Interfaces**





## **Scenarios**

## Asset management for IT

Tivoli Asset Management for IT e.g. contacts, financial, procurement, lifecycle

Product inventory verification

Audit trail of product use in a z/OS environment



## Get the best value from your z/OS software budget

Understanding product usage trends is extremely important for contract renewal negotiations

- -Which products should be included in an Enterprise License Agreement (ELA)
- -Product LPAR capacity restricted licenses
- -Assess what would be impacted by a competitive product replacement

Consolidate product versions

Consolidate similar products e.g. inherited from company mergers

Consolidate product machine/system coverage

Sub-capacity license optimization

Prove to management that your budget is fully utilized to avoid funding cuts or justify increases



See who would be impacted by an upgrade

See which products a job is using

See where different maintenance levels are deployed

See what needs to be replicated to Disaster Recovery systems





## **TADz Product Evolution**

### Tivoli Asset Discovery for z/OS (TADz) v7.5

- Released in 2Q 2011
- Optimised Dorana foundation
- Better "out of the box" discovery quality
- Easier deployment
- Faster performance
- TCR with Cognos
- New Analyzer component
  - •Interactive: PC Browser direct to z/OS based Analyzer
  - Batch: Generate spreadsheets via batch job

### Tivoli Asset Discovery for z/OS (TADz) v7.2

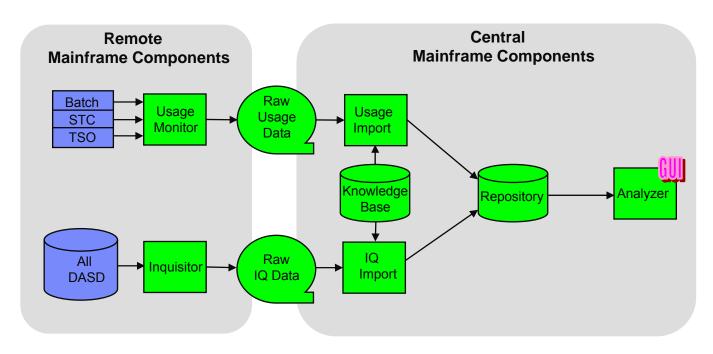
- Released in 3Q 2009
- Based on Dorana acquisition with best of TLCMz added
- Significantly better "out of the box" discovery quality than TLCMz
- DB2 for z/OS database, Tivoli Common Reporting (TCR) with BIRT
- Bolt-on integration with Tivoli Asset Management for IT (TAMIT)
- 10% PMRs about discovery quality, 80% PMRs about deployment

### Tivoli License Compliance for z/OS (TLCMz)

- Based on Isogon SoftAudit acquisition
- End of Service is likely to be announced in 2011
- No middleware pre-regs, Proprietary database
- 90% PMRs about discovery quality



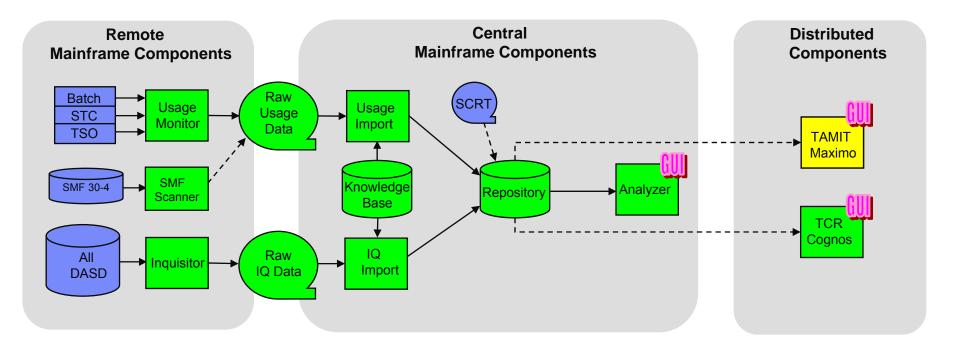
## TADz 7.5 Core Architecture



- TADz uses DB2 for z/OS on a central z/OS
  - One DB2 subsystem with one or more repository databases
  - Designed to keep overhead on production (remote) LPARs as low as possible
- z/OS based TADz Analyzer:
  - No pre-regs on any middleware or config e.g. Websphere and Java are not required
  - Interactive analysis from your PC Browser (IE, Firefox) directly to the z/OS based TADz Analyzer running as a batch job or Started Task. Easy download to Excel.
  - Batch reporting Run a batch job to generate spreadsheets

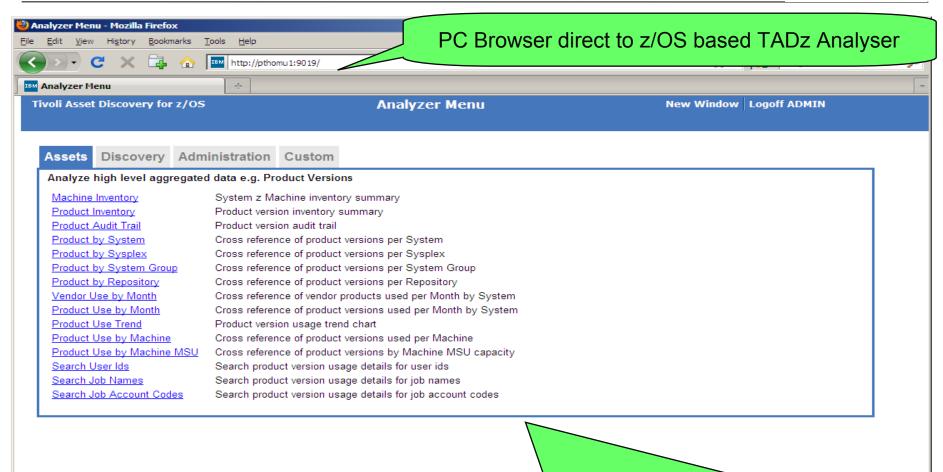


## TADz 7.5 Extended Architecture



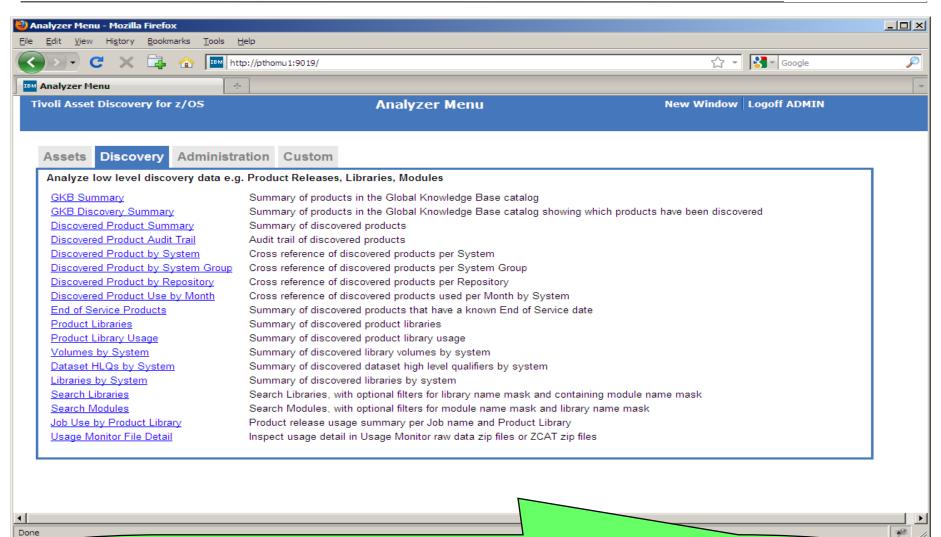
- Optionally scan SMF 30 records for historical usage that has occurred before TADz has been deployed
  - Subset of data that Usage Monitor collects but great for quick time to value
- Optionally import Sub-Capacity Reporting Tool (SCRT) data
  - Combines with TADz collected data to show trends and details, enabling you to better optimize sub-capacity license charges
- Optionally integrate TADz with Tivoli Asset Management for IT (TAMIT)
  - TAMIT provides License contract management, Financial management, Lifecycle management etc
  - Bolt-on integration. No changes required for TADz. Just point TAMIT to the TADz database!
- Optionally deploy TCR Cognos for custom reporting
  - Packaged for free with TADz
  - This is particularly good when you want a report that combines TADz data with other data sources





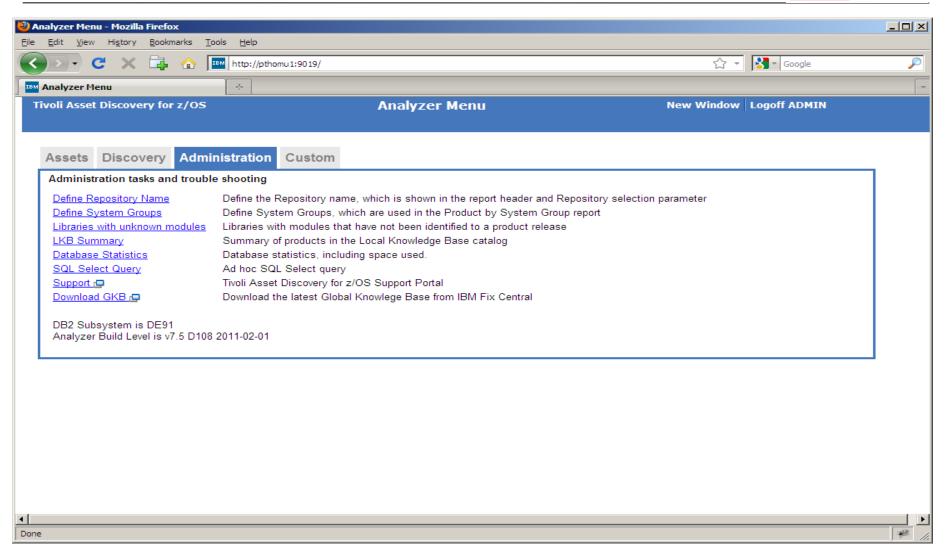
- Asset reports are good for people who reconcile z/OS product licenses
- See what product <u>versions</u> are being used, when, where and by who.





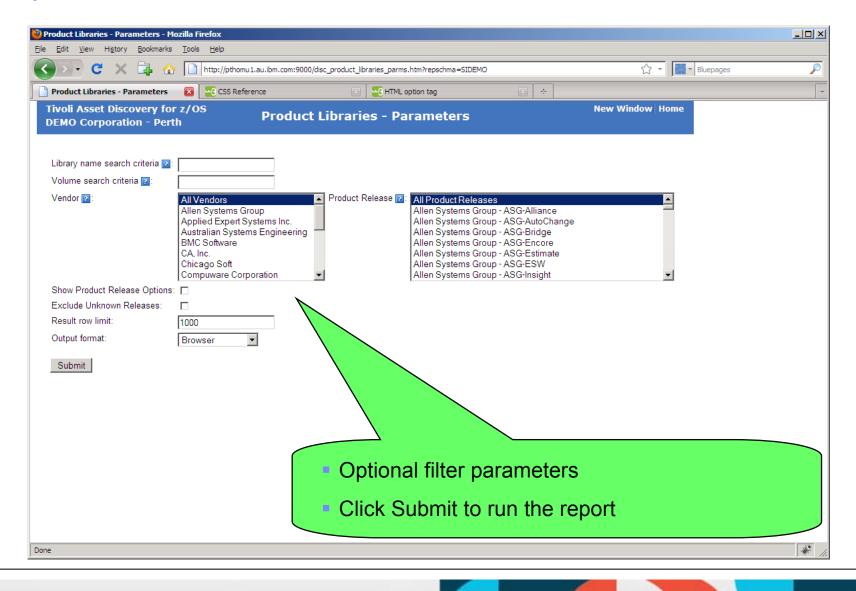
- Discovery reports are good for people who support z/OS systems
- See what product <u>releases</u>, libraries and modules are being used, when, where and by who.





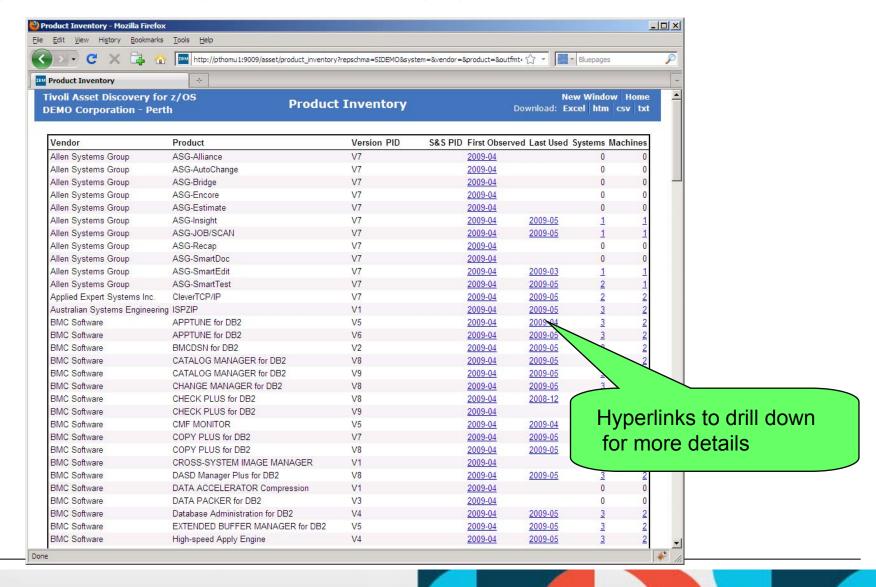


# Report Parameters



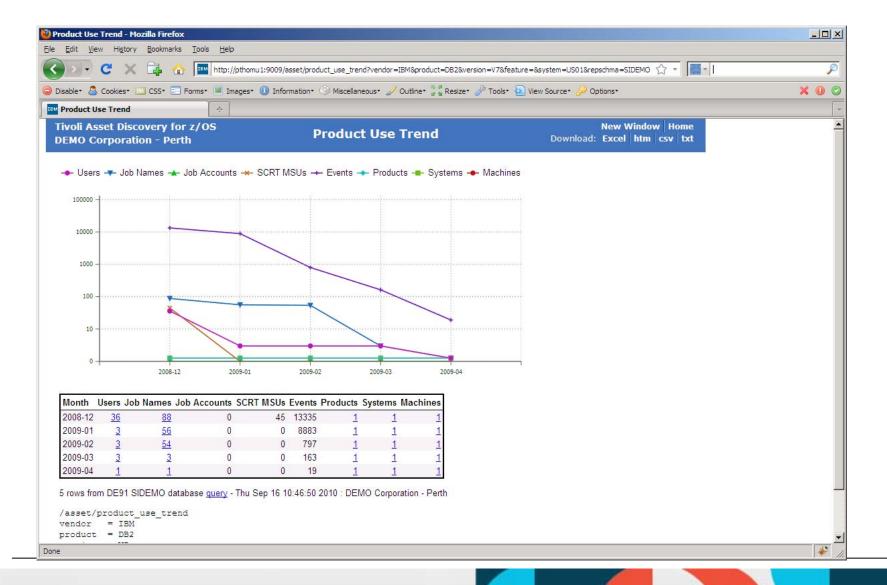


## High Level Summary Reports with easy hyperlinks to details



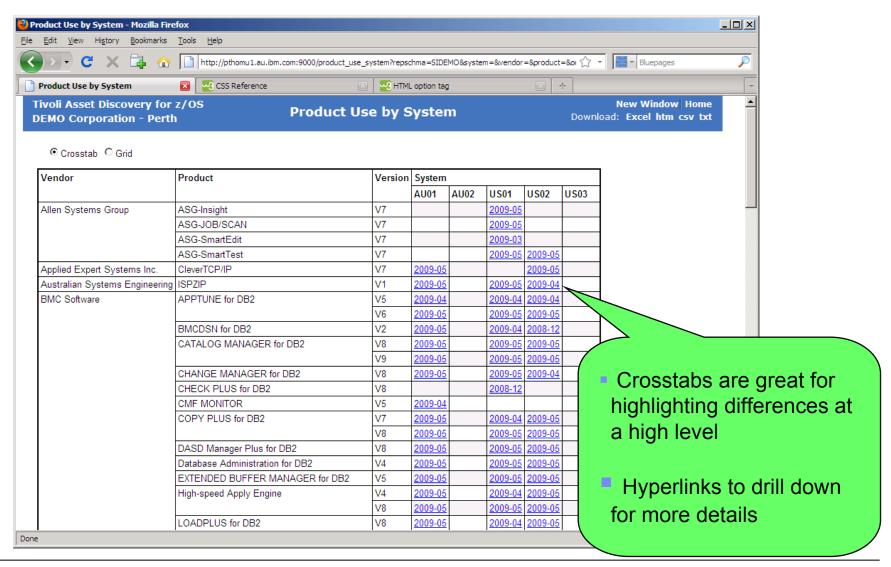


## **Trend Charts**



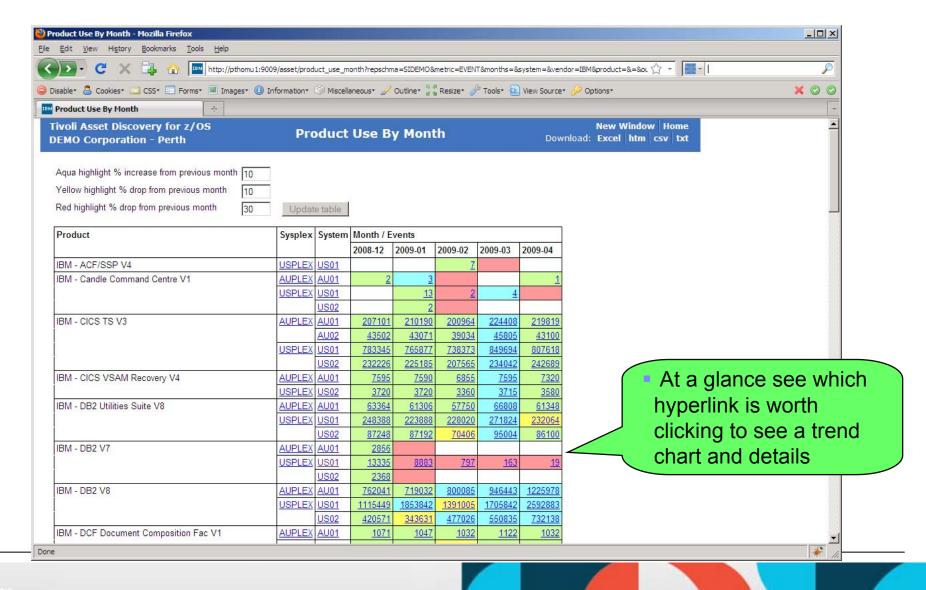


# Crosstab reports



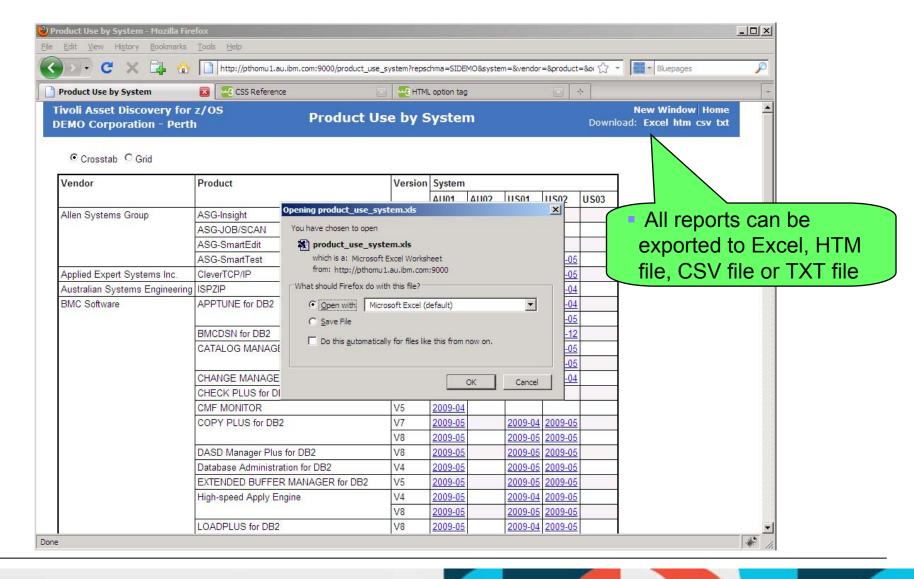


# Color coded trend reports



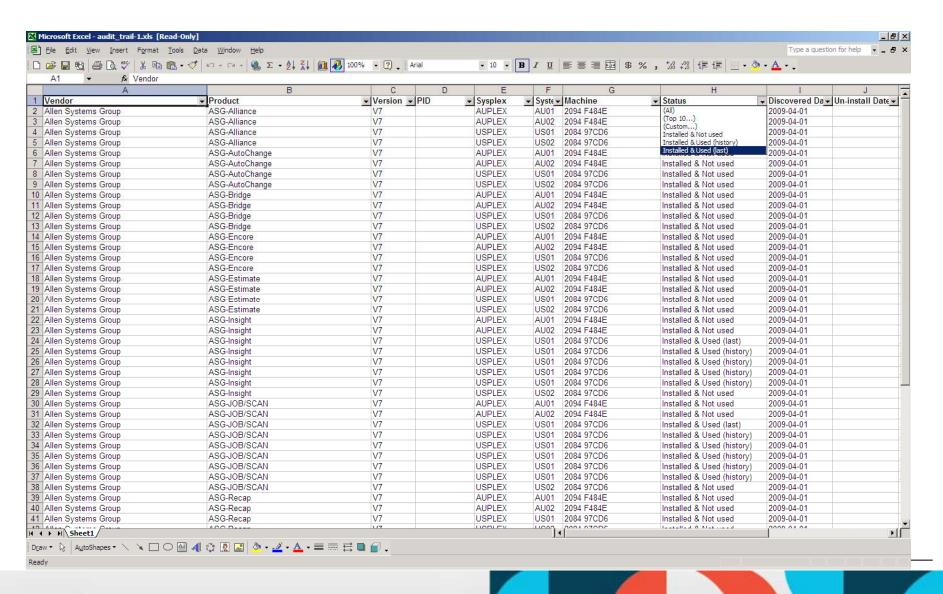


# Exporting the reports to a spreadsheet



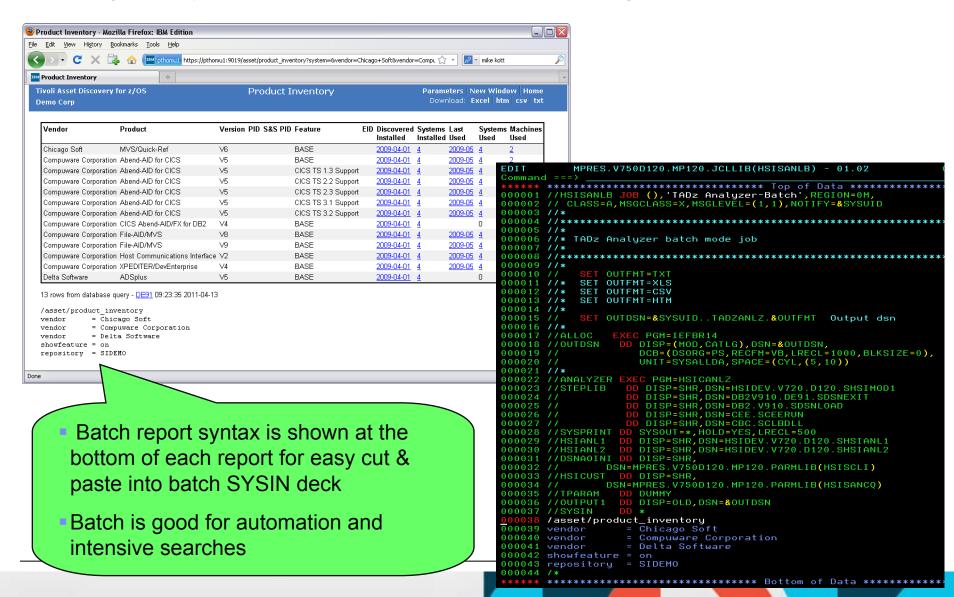


# Spreadsheets have a filter bar

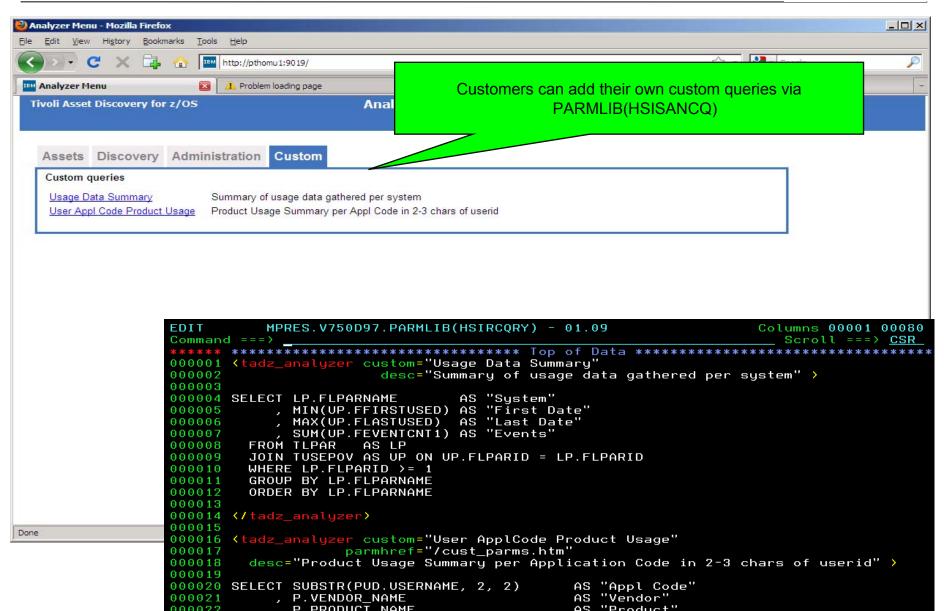




## All Analyzer reports can also be run via z/OS batch job



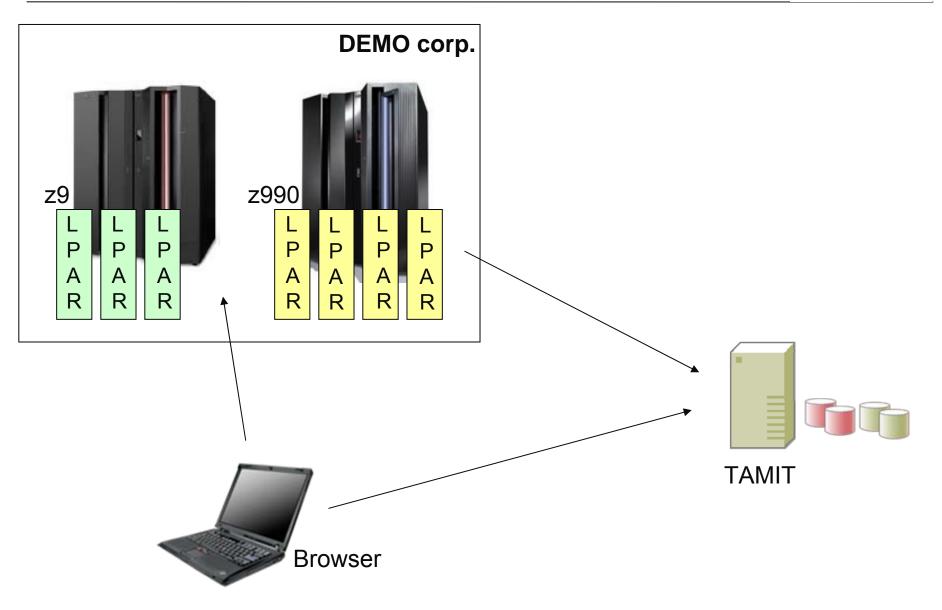




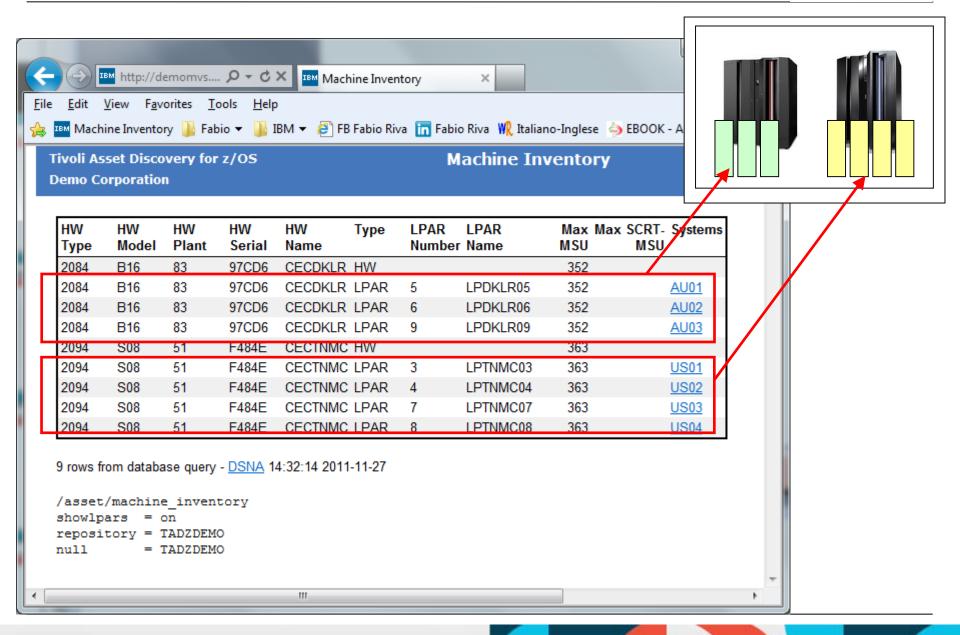


A sample compliance report regarding one product

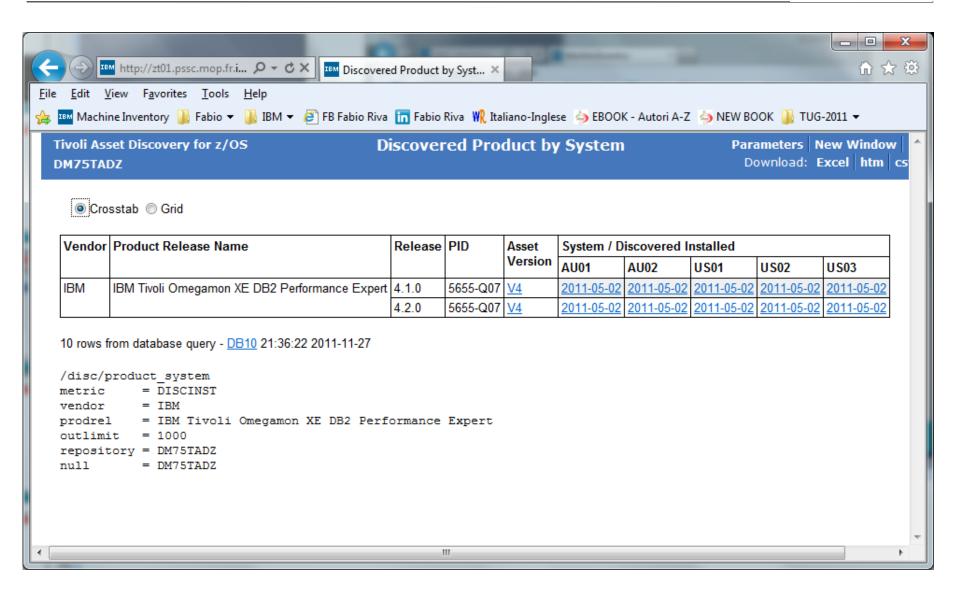




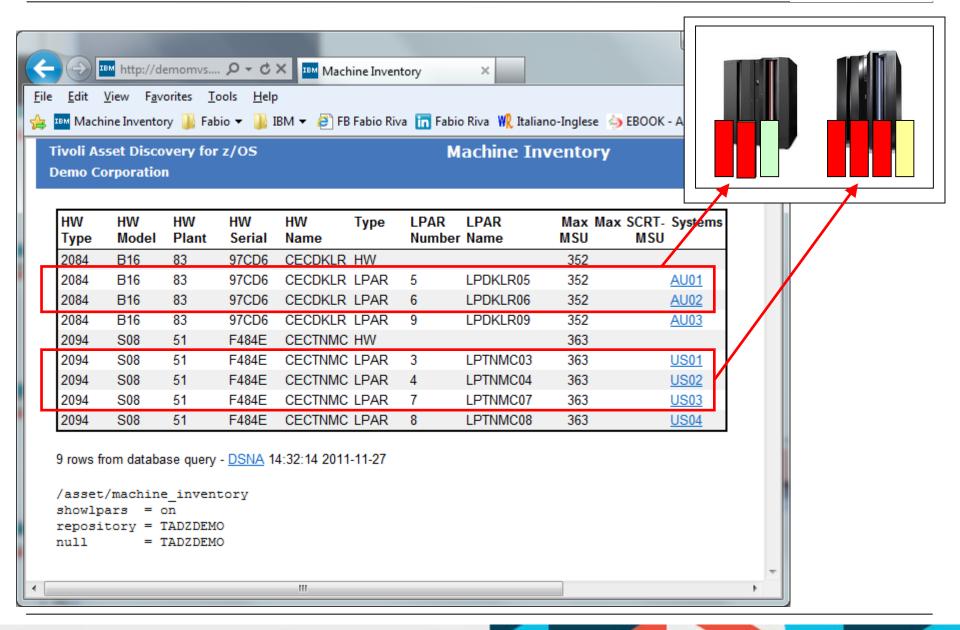




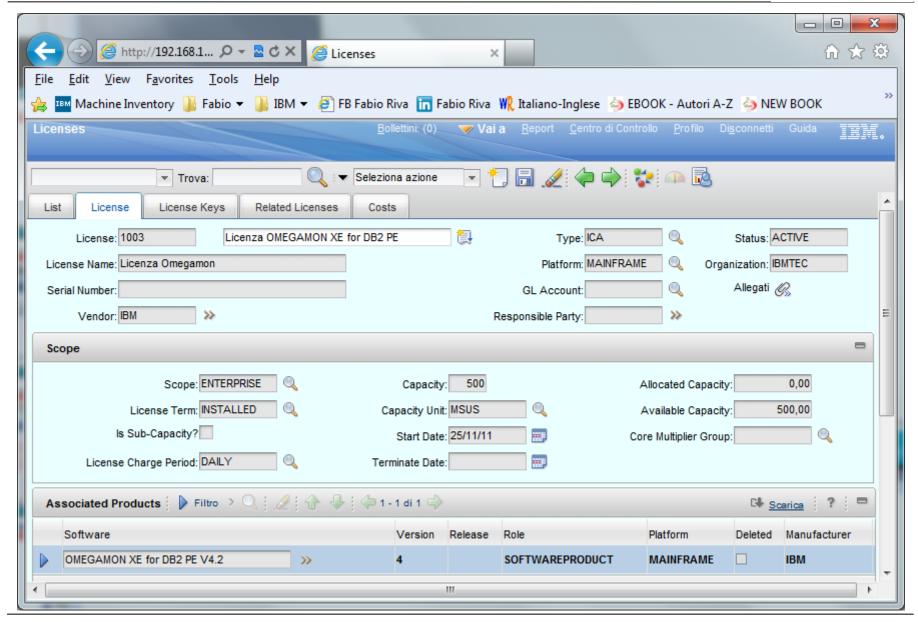






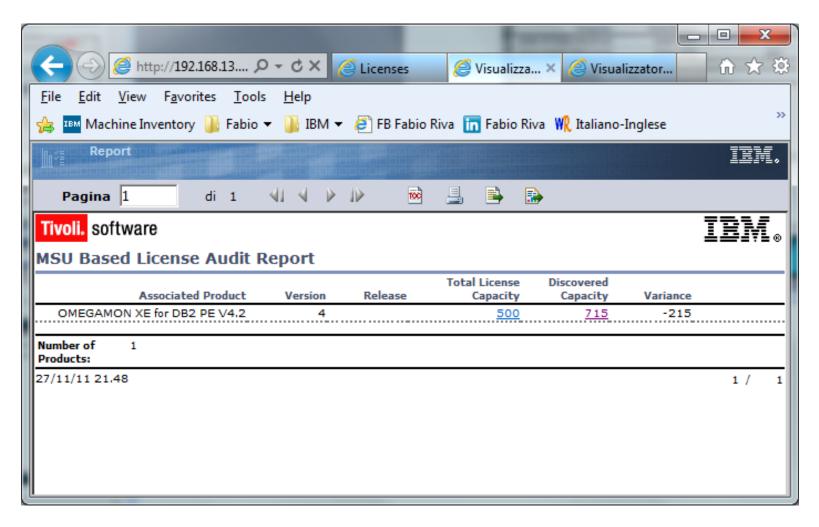






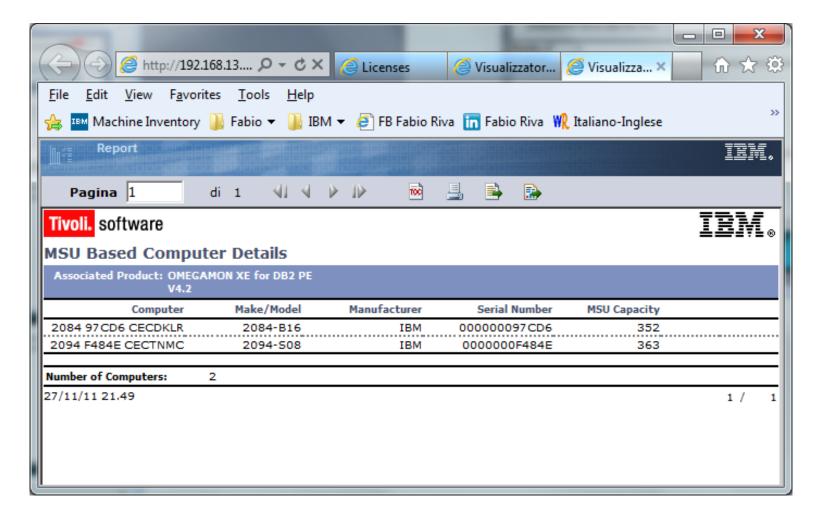


# Compliance report

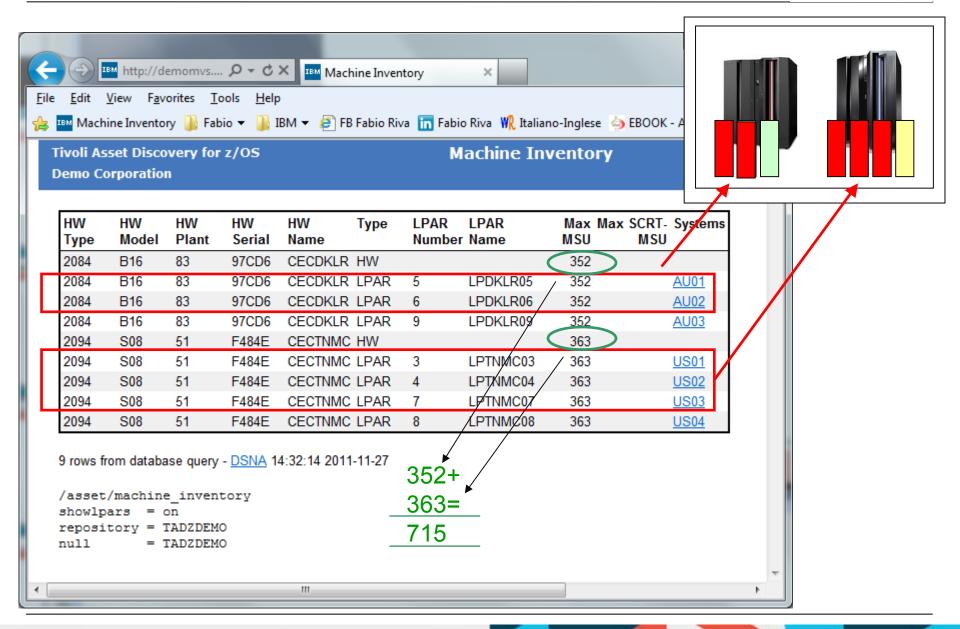




# Details on software usage











# Questions?







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