Why does Lockheed Martin care so much about IT & Data trends?
F-35 Autonomic Logistics
Global Sustainment System

Highly Supportable Aircraft
- Smart / Reliable Design
- Prognostics and Health Management
- Remove and Replace (R/R) Maintenance
- On Condition Maintenance

Training System
- Integrated Training
- Embedded Pilot Training
- On Demand Maintenance Training
- Air Vehicle Software Reuse

Support System
- Sustaining Engineering
  - 24/7 Help Desk
- Electronic Joint-Service Tech Data
- Intelligent Maintenance Management
- Global Supply Chain Insight
- Support Equipment Management

Autonomic Logistics Information System
- Distributed Information System
- Enterprise Resource Solution
- Secure
- Scalable
- Deployable

Systems Engineering Applied to Logistics and Sustainment

Autonomic Logistics Information System (ALIS)

- Single, Secure Information Environment
- Distributed Network Based on Web Technologies
- Capabilities Integrate Broad Range of Domains
Lockheed Martin Business Areas

Space Systems
Aeronautics
Information Systems & Global Services
Electronic Systems

Information Systems & Global Services
Our Infrastructure is data rich

- 142,517 Desktops/Laptops
- 130,339 NT Accounts
- 421.5 TB of Online Storage
- 31.4M Long Dist. Voice Min/Month
- 1514 MIPS
- 428 Video Conferencing Rooms
- 12,097 VAR Registered Devices
- 2M Scheduled Jobs/Month
- 142,517 Web Sites
- 915 Managed Devices
- 2 Enterprise Operations Centers
- 10,516 IBM Managed Devices
- 288 Video Conferencing Rooms
- 5,000+ Local Networks
- 448,788 Tapes
- 421.5 TB of Online Storage

Information & Data Trends

- Hyper-connectivity
- Changing Demographics
- Security Rich Collaboration & Privacy
- Web 2.0
- Enterprise 2.0
- April 2008

- Monthly E-Mail
  - 1218M Total Messages
  - 97M Blocked as SPAM
- Global Intranet
- World Class Data Center
- 12,097 VAR Registered Devices
- 2M Scheduled Jobs/Month
The Men and Women of Lockheed Martin

- 140,000 Employees
- 70,000 Scientists and Engineers
  - 25,000 IT Professionals
- Operations in 1,000 Facilities, 500 Cities, 50 States and 75 Countries

Partners to Help Customers Meet Their Defining Moments

Security and Privacy Balancing Act

Collaboration

Security

Privacy
Web 2.0 – Social and User Experience Centric

Social – improve with use

Empower the user

We are in the Web 2.0 game

- Corporate sponsored Web 2.0 content
  - Flickr
  - YouTube
  - Alumni Network
- Grass-roots external social software
  - Facebook
  - LinkedIn
  - Twitter
- Internal social software
  - Unity: Blogs, Wikis, Tagging, etc on our Intranet
  - Lmpedia: a Unity-powered Wikipedia like capability)

Which is more credible? Most impact? Pros? Cons?
“Let me say from the bottom of my heart that you guys, along with the other big guns of military technology, give me the inspiration to do my very best, to learn more and to better myself in every way I can.

And by the way, F35, best plane ever. Hands Down!”

YouTube comment
posted Nov, 2007
Don’t Underestimate the Importance of Grassroots Efforts

Web 2.0 in the Enterprise
LMPedia - Harnessing the Collective Wisdom of our People

Building “Boxes” for an Amazing Future

- Broadband and Wireless
everyone and everything always online
- Open Source and Social Software
  wisdom of the crowds
- XML
  real world modularity
- Embedded Computing
  advanced reasoning and ultra-mobile computation
- Scripting (Javascript, Python, Rails, etc.)
  rapid development cycles for mortals
Imagine the Possibilities