

December 2008

Leveraging the Open Source Movement to Improve Environmental Solutions

What is Open Source Software?

Open source doesn't just mean access to the source code. The distribution terms of open-source software must comply with the following criteria:

1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of the Author's Source Code
5. No Discrimination Against Persons or Groups
6. No Discrimination Against Fields of Endeavor
7. Distribution of License
8. License Must Not Be Specific to a Product
9. License Must Not Restrict Other Software
10. License Must Be Technology-Neutral

– Open Source Initiative, <http://opensource.org/docs/osd>

Or Alternately:

“Free Stuff is Good Stuff”

-Multiple Sources

Today's Panel

- Jerry Johnston – Chief Geospatial Officer for the U.S. Environmental Protection Agency (EPA)
- Mitch West - Executive Coordinator, National Environmental Information Exchange Network
- Ross Button – Senior Executive Consultant, CGI

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Community Sourcing

Ross Button

Senior Executive Consultant, CGI

IT Trends

- Strong trend towards standardization and normalization
- The rhythm of convergence has increased
- Group and Information Focus
- Solutions are increasingly assembled from components and services

Today

An information society centered on processing information

Tomorrow

A knowledge society centered on using information

Transformation Realities

Old World Environment

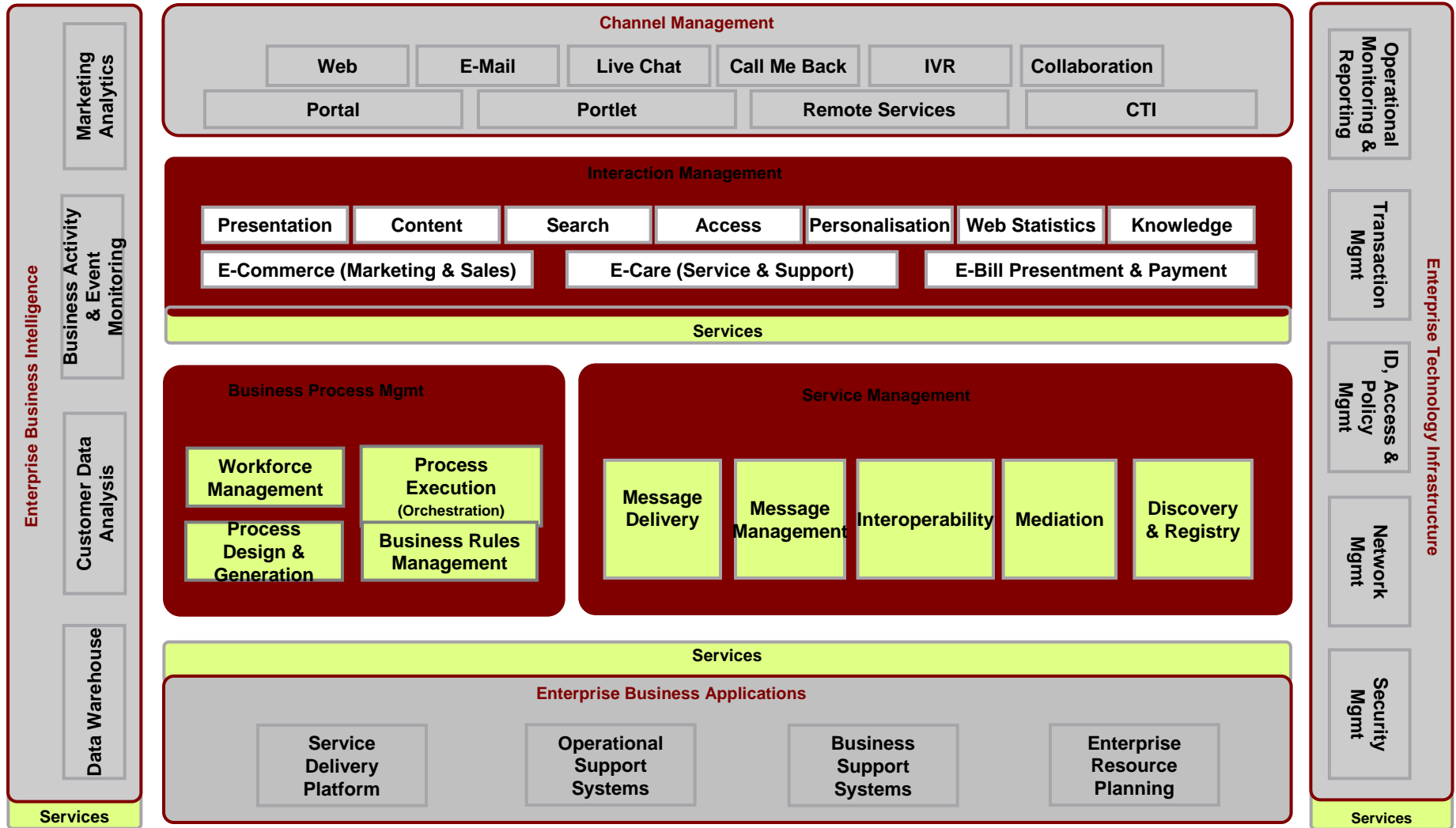
Rigid Process
Tightly Integrated
Tactical Solutions
Build
Lengthy Development
IT Centric
Invest in Systems



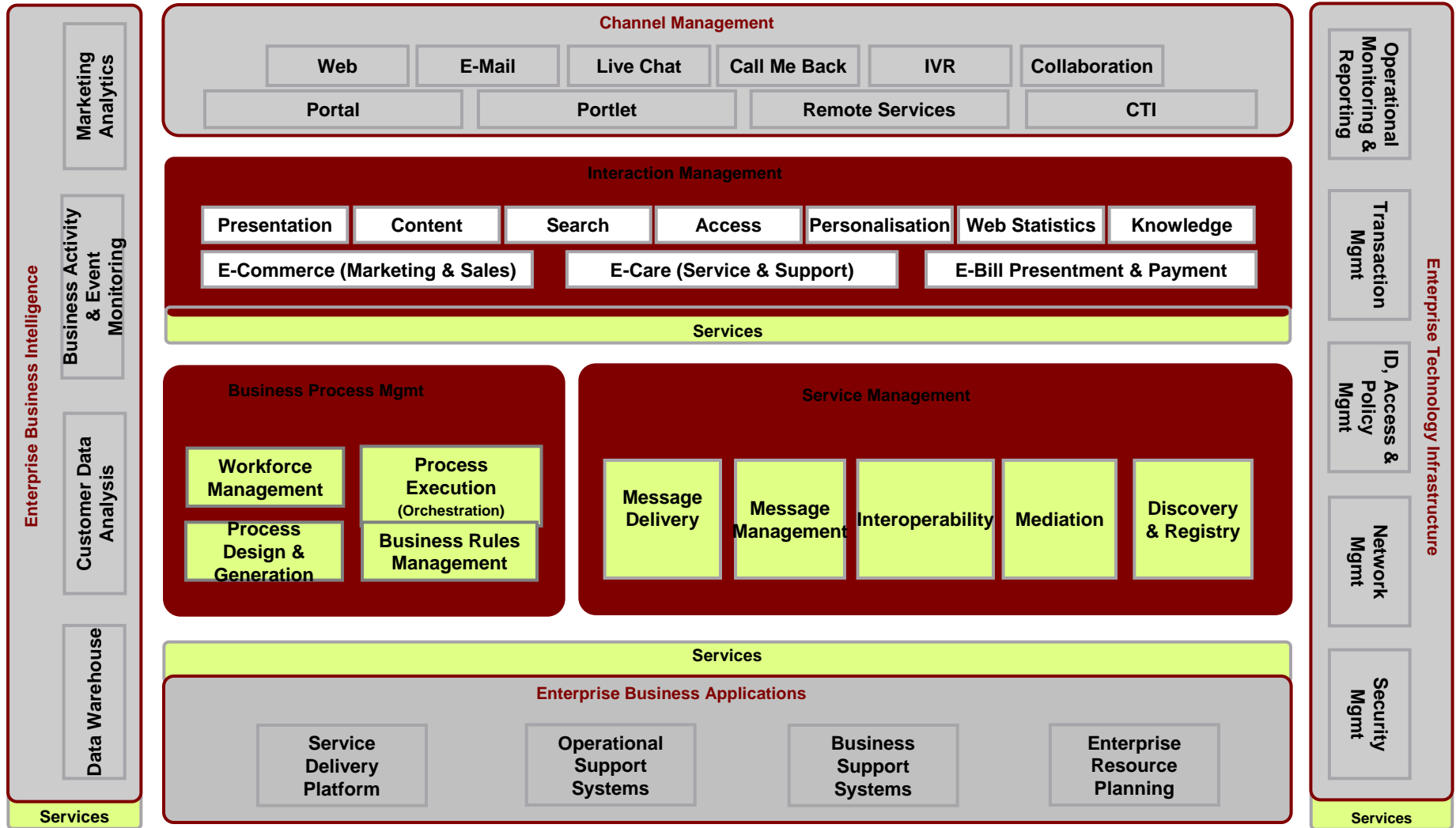
New World Reality

Agile Services
Loosely Coupled
Strategic Components
Reuse
Fast Implementation
Business Centric
Generate Savings

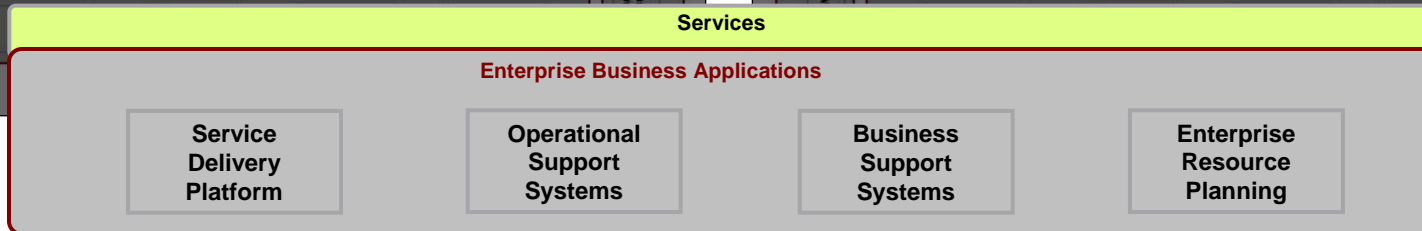
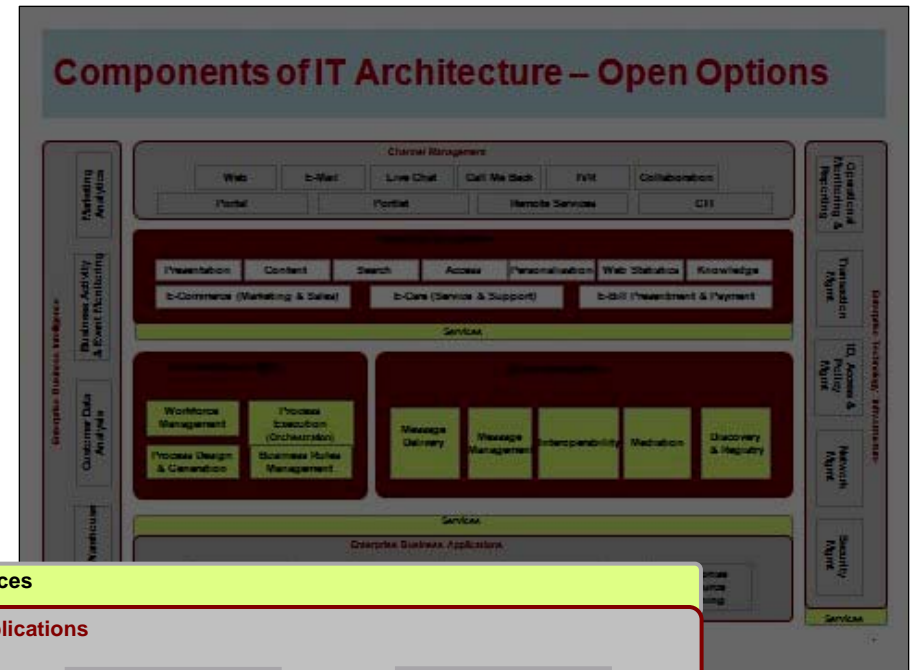
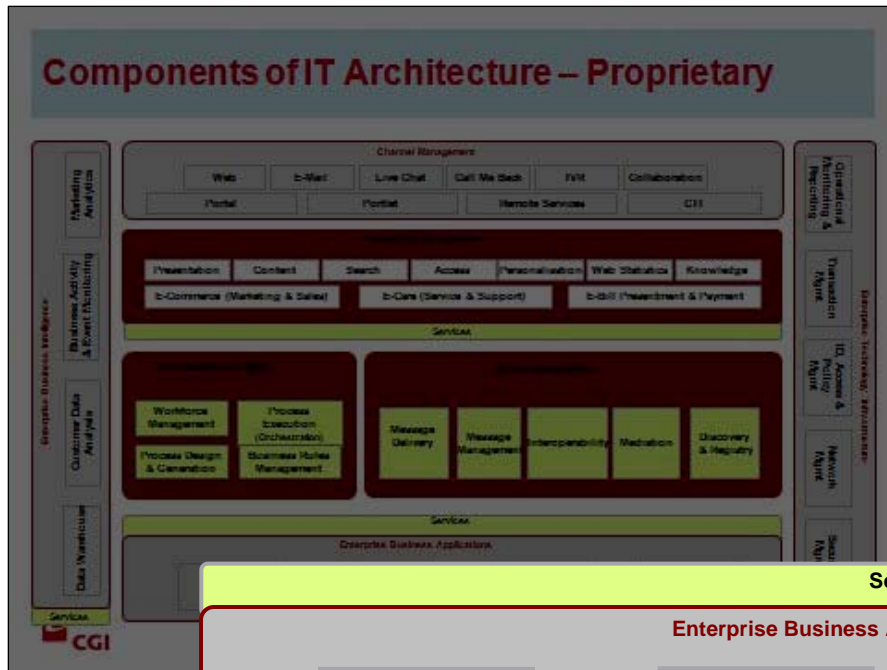
Components of IT Architecture – Proprietary



Components of IT Architecture – Open Options



Proprietary vs. Open



Sourceforge

The screenshot shows the SourceForge.net website interface. At the top, there's a navigation bar with 'SOURCEFORGE.NET', 'Log in', 'Create account', 'Community', 'Jobs', 'Help', and a search box. Below this, the main content area is titled 'Browsing Enterprise software'. It features two columns of project listings: 'Most Popular (overall)' and 'Most Active (overall)'. The 'Most Popular' list includes projects like Azureus, eMule, Ares Galaxy, 7-Zip, PortableApps.com, Audacity, and others. The 'Most Active' list includes phpMyAdmin, ADempiere ERP Business Suite, PostBooks ERP, xTuple, 7-Zip, Azureus, Zenoss Core, Notepad++, ZK - Simply Ajax and Mobile, ffdshow Trayouts, and PhpGedView. To the right of these lists is a red advertisement for Rackspace Hosting with the text 'Have Hosting Questions? GET THEM ANSWERED NOW. EMAIL HOSTING. CLICK HERE TO CHAT + with a helpful, live Sales Assistant. THE WORLD'S LEADER IN HOSTING'. Below the project listings, there's a 'Results 1 - 10 of 2376' section and a 'Display: Detail Images Sub-Topics Filters View: 10' dropdown. A 'Topics' sidebar on the left lists various categories like Communications, Database, Desktop Environment, Education, etc. The main content area displays a table of project details:

Project Name	Rank	Activity	Registered	Latest File	Downloads
ADempiere ERP Business Suite	2	100.00%	2006-09-09	2008-12-03	325,364
PostBooks ERP, accounting, CRM by xTuple	3	100.00%	2007-05-14	2008-12-03	179,114
Zenoss Core - Enterprise IT Monitoring	6	100.00%	2006-03-20	2008-11-19	780,819

Each project entry includes a small thumbnail image, a brief description, and a 'Download' button with a green arrow icon. For example, the ADempiere entry describes it as 'ADempiere Business Suite ERP/CRM/MFG/SCM/POS done the Bazaar way in an open and unabated fashion. Focus is on the Community that includes Subject Matter Specialists, Implementors and End-Users. We are a community fork of Compiere.' and lists 'Services (4)' and 'Members (79)'. The Zenoss Core entry describes it as 'Zenoss Core is an enterprise network and systems management application written in Python/Zope. Zenoss provides an integrated product for monitoring availability, performance, events and configuration across layers and across platforms.' and lists 'Services (2)' and 'Members (16)'.

SourceForge.net is the world's largest Open Source software development web site.

SourceForge.net provides free hosting to Open Source software development projects with a centralized resource for managing projects, issues, communications, and code.

Registered Projects:
320,704

CGI's Approach – Internet Inside

- Focus on Practices
- Focus on Business Units
- Focus on Partners

- One place to start

<http://search.ent.cginet>

Act Locally, Act Globally

The screenshot shows the CGI Technology Leadership Main Page. The page features the CGI logo in the top left corner. A navigation menu on the left includes links for Strategic Intelligence, Partner Program, Community Dialogue, Knowledge Areas, and Reusable Assets. The main content area is titled "Home" and contains the following text:

Technology Leadership Main Page

Site Purpose:
To help you navigate the various initiatives that the CGI's Technology Leadership Program has created to assist CGI members to collaborate and share with each other. [Contact Us](#) for any questions related to the Technology Leadership Program.

Technology Council:
The CGI Technology Council creates synergy between Business Units and Technology Leadership initiatives by providing input into and guidance to the Corporate Technology Leadership initiatives. [More...](#)

At the bottom of the page, it says "© 2008 CGI en".

On the right side, there is a "Links" section with a red header, containing the following links:

- Search
- CGI Google
- Community
- Discussion Forums
- Partner Info
- Partner Site
- Reusable Assets
- CGI Forge
- Solutions Catalogue
- Practice Catalogue
- Intelligence
- Technology (TFC)
- Industry (IFC)
- Practice (PFC)
- Knowledge
- Architecture Guidebook
- Concert
- SOA
- Open Source
- Other
- Wiki Main Page
- Tag Cloud
- Transfer Site
- CGI Enterprise Portal

In the top right corner, there are links for "Francais" and "Home".

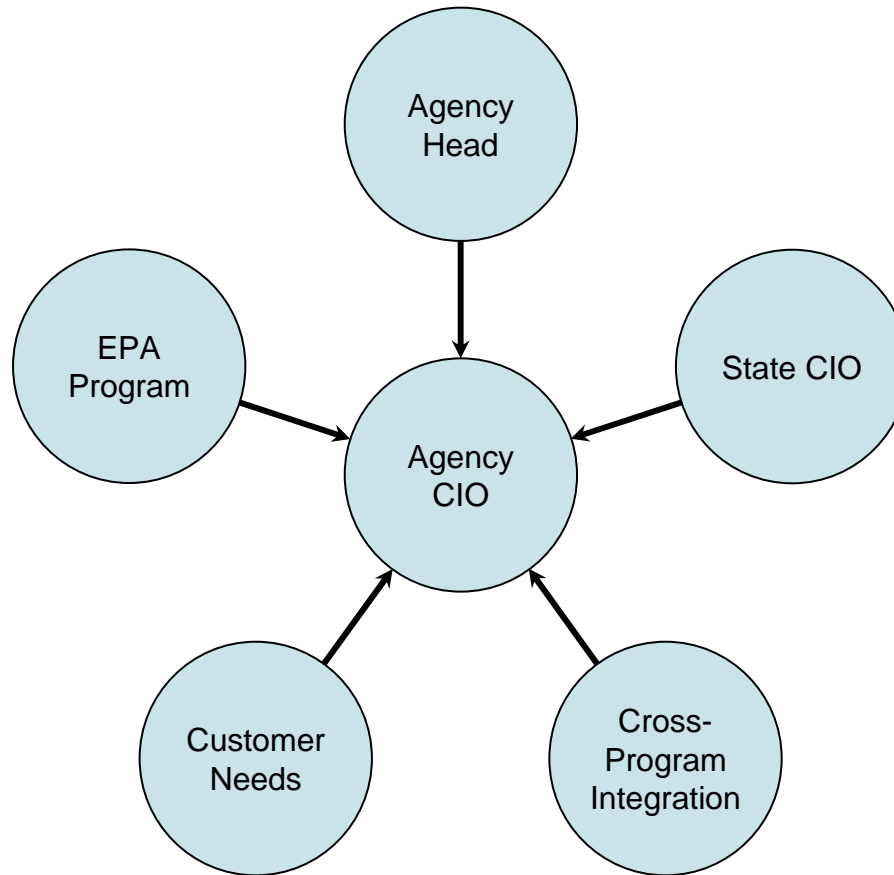
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Mitch West

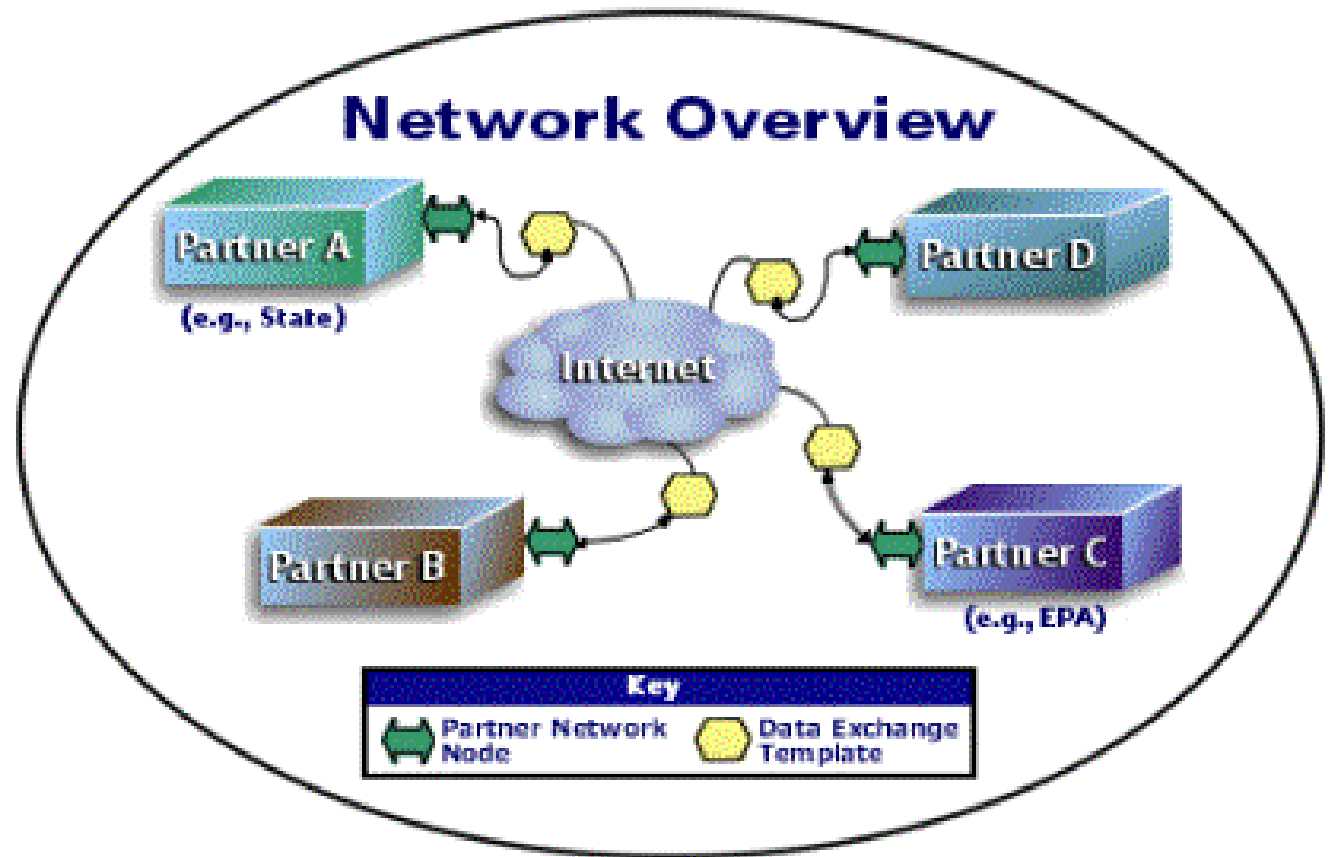
Executive Coordinator, National
Environmental Information Exchange Network

Environmental IT Perspective



The Exchange Network

An Internet and standards-based method for exchanging environmental information between partners.



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Jerry Johnston
Chief Geospatial Officer, U.S. EPA

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Questions & Discussion