

# GeoDataShare -Spatial SOA CityMap – Web 2.0 mapping



Mario Gouvea  
Director of Enterprise Spatial Technologies

November 2, 2006  
New York Marriott Brooklyn  
Brooklyn, NY

Department of Information Technology &  
Telecommunications  
City of New York

**New York City Technology Forum**  
A Government Technology Executive Leadership Forum

# Presentation Roadmap

- Objectives
- Infrastructure
  - Internet
  - Intranet - GeoDataShare
- Issues with Current SDLC Model
- Why SOA? A strategic decision
- Current Status
- New York CityMap

# Objectives

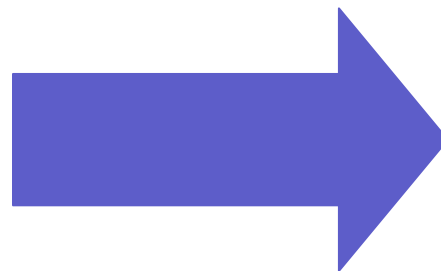
To provide a brief overview of the GIS intranet hosting architecture (GeoDataShare) which serves as the starting step in establishing Spatial Service-Oriented Architecture.

Demonstrate New York CityMap a WEB 2.0/Ajax based web mapping application.

# Goals

To move  
away from

Manual  
Processes



To

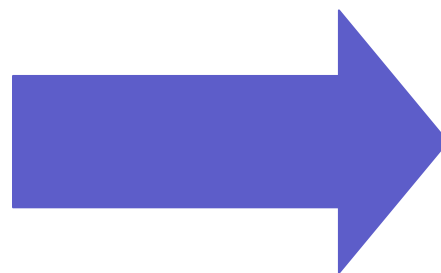
Automated  
Processes



# Goals

To move  
away from

Undocumented  
Processes



To

Documented and  
Repeatable  
Processes

# How?

- By reducing variability
- Sources of variability:
  - Poor Design
  - Skills and Behaviors
  - Unstable products/systems
  - Insufficient process capability

# Internet applications

- DoITT – New York CityMap
- DoITT - My Neighborhood
- DoITT - Poletop Manager
- DoITT - Map Portal
- OPS - My Neighborhood Statistics
- OEM - EMOLS
  - Hurricane Evacuation
  - Cooling Centers
- DSNY - Collection Schedule
- DCP - Census Fact Finder
- DCP - Address Translator
- DPR - Wood Debris
- DPR - Parks Locator
- NYCHA - Internet Mapping
- BOE – Pole site Locator



OEM - Cooling Center - Microsoft Internet Explorer

File Edit View Favorites Tools Help

NYC gov  
@NewYork.gov

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**OEM** NEW YORK CITY  
Office of Emergency Management

Search

Find a Cooling Center

PRINTER FRIENDLY FORMAT

ADDRESS SEARCHED:  
59 MAIDEN LANE, MANHATTAN

New Search

Map Key:

- SEARCHED ADDRESS
- SENIOR CENTERS
- COMMUNITY CENTERS

Select transportation:

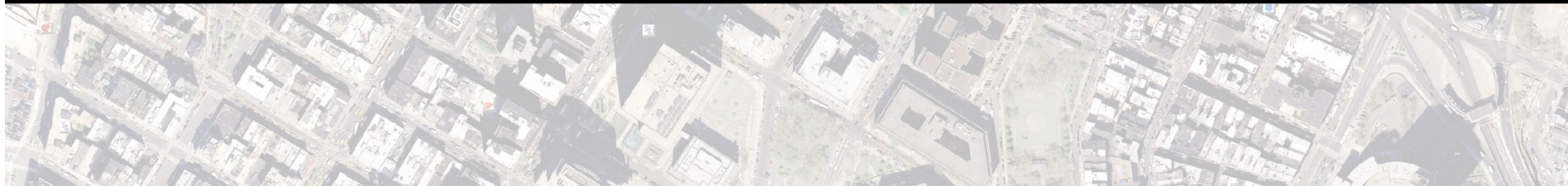
- BUS
- SUBWAY
- NONE

View Public Transportation

**CITY HALL SENIOR CENTER**  
Address: 100 GOLD STREET  
Phone: (212) 788-5580

Click to view detailed information below





Census FactFinder - NYC Department of City Planning - Microsoft Internet Explorer

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**NYC .gov**  
always open  
NEW YORK CITY  
DEPARTMENT OF CITY PLANNING  
NYC.gov/planning

Search DCP >

Department of City Planning - "Shaping the City's Future"

City Planning: Home, About Us, Zoning, Land Use Process, Projects/Proposals, Reference, Products

Take me to... Commission Meetings, Commission Reports, Contact the Chair, Map & Bookstore, Job Opportunities, Press Releases, DCP Site Map, DCP Directory

Reference > New York City Census FactFinder

**New York City Census FactFinder**  
2000 Census Profiles for New York City

Select a new location [Show Profile for Community District](#)

59 MAIDEN LANE, MANHATTAN

Census Tracts: Manhattan 7, 9, 13, 15.01, 15.02, 21, 29, 31, 319

0.3 mile buffer

Demographic | Socio-Economic | Age | Income in 1999 | Labor | Education | Housing Characteristics | Housing Costs

NYCHA GIS - Microsoft Internet Explorer

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**NEW YORK CITY HOUSING AUTHORITY**

Home | About NYCHA | Public Housing Assistance | NYCHA Housing Developments | Section 8 Assistance | Residents' Corner | Community Programs & Services | Doing Business With NYCHA | News, Events And Publications | FAQs | Contact NYCHA

SEARCH

SIGN-UP FOR NYCHA JOURNAL

**NYCHA Housing Developments**

ZOOM   MOVE

New Search Legend

Search by street address or by borough. Click the SUBMIT button to map your location.

- Developments
- Selected Developments
- Searched Address
- Community Centers
- Day Care Center
- Libraries
- Subways
- Universities
- Schools
- Senior Centers
- Police
- Fire



# Intranet applications

- Department of Finance – PARM
- Department of City Planning – GOAT
- NYC GIS Data Download Portal
  - Metadata Explorer
  - SharePoint portal
- 311 – Pseudo-web service to broker address validation and geocoding requests

# Data Download/Metadadata

NYC GIS - Microsoft Internet Explorer

Address: http://gis-prd-ft1.nycnet/nycgis/Transform.do?m=data&c=VECTOR&d=Planimetrics

home > data

Spatial Data

Download

Metadata Explorer

Data Request

Share your data

**Download**

Most of the data in this site is compressed, you will need a software such as WinZip to uncompress them.

Legend: Not available: [download](#) available: [download](#)

Dataset	Format	Size	Availability
Planimetrics (All)	SHP	199,581,662 KB	<a href="#">download</a>
Planimetrics (All)	TAB	68,432,354 KB	<a href="#">download</a>
billboard_toll	SHP	221,252 KB	<a href="#">download</a>
billboard_toll	TAB	137,091 KB	<a href="#">download</a>
elevation	SHP	28,788,015 KB	<a href="#">download</a>
elevation	TAB	17,710,158 KB	<a href="#">download</a>
hydro_centrelines	SHP	934,988 KB	<a href="#">download</a>
hydro_centrelines	TAB	325,801 KB	<a href="#">download</a>
hydrography	SHP	5,063,760 KB	<a href="#">download</a>
hydrography	TAB	1,765,566 KB	<a href="#">download</a>
hydrography_structure	SHP	1,378,645 KB	<a href="#">download</a>
hydrography_structure	TAB	1,001,983 KB	<a href="#">download</a>
open_space	SHP	2,781,139 KB	<a href="#">download</a>
open_space	TAB	1,001,983 KB	<a href="#">download</a>
railroad	SHP	1,947,203 KB	<a href="#">download</a>
railroad	TAB	837,648 KB	<a href="#">download</a>
railroad_hidden_structure	SHP	10,950 KB	<a href="#">download</a>
railroad_hidden_structure	TAB	6,083 KB	<a href="#">download</a>
railroad_structure	SHP	831,277 KB	<a href="#">download</a>
railroad_structure	TAB	428,522 KB	<a href="#">download</a>
street_centerline	SHP	13,117,831 KB	<a href="#">download</a>
street_centerline	TAB	7,082,827 KB	<a href="#">download</a>
survey_control_point	SHP	194,051 KB	<a href="#">download</a>
survey_control_point	TAB	86,241 KB	<a href="#">download</a>
transportation	SHP	140,397,653 KB	<a href="#">download</a>

226 active users

metadata explorer - Microsoft Internet Explorer

Address: http://gis-prd-ft1.nycnet/gis/explorer.jsp

SEARCH BROWSE

1 Draw search area

2 Choose content type: Downloadable Data

Choose content theme: <All Content Themes>

Optional Keyword (e.g. river):

3 Start Search

Records Found: 15

**Publisher:** New York City Department of Information Technology and Telecommunications  
**Content Title:** Hydrography  
**Map Scale:** 1:0.75 foot for 2001/2002 Orthophotographs - 1 foot for 1996 Orthophotographs

**Publisher:** New York City Department of Information Technology and Telecommunications  
**Content Title:** Transportation Line  
**Map Scale:** 1:0.75 foot for orthophotographs from 2001 - 2002 and 1 foot for orthophotographs from 1996

**Publisher:** New York City Department of Information Technology and Telecommunications  
**Content Title:** Street Centerline  
**Map Scale:** 1:0.75 foot for orthophotographs from 2001 - 2002 and 1 foot for orthophotographs from 1996

**Publisher:** New York City Department of Information Technology and Telecommunications  
**Content Title:** Elevation  
**Map Scale:** 1:0.75 foot for orthophotographs from 2001 - 2002 and 1 foot for orthophotographs from 1996

# Software Development Life-Cycle

Development

Test

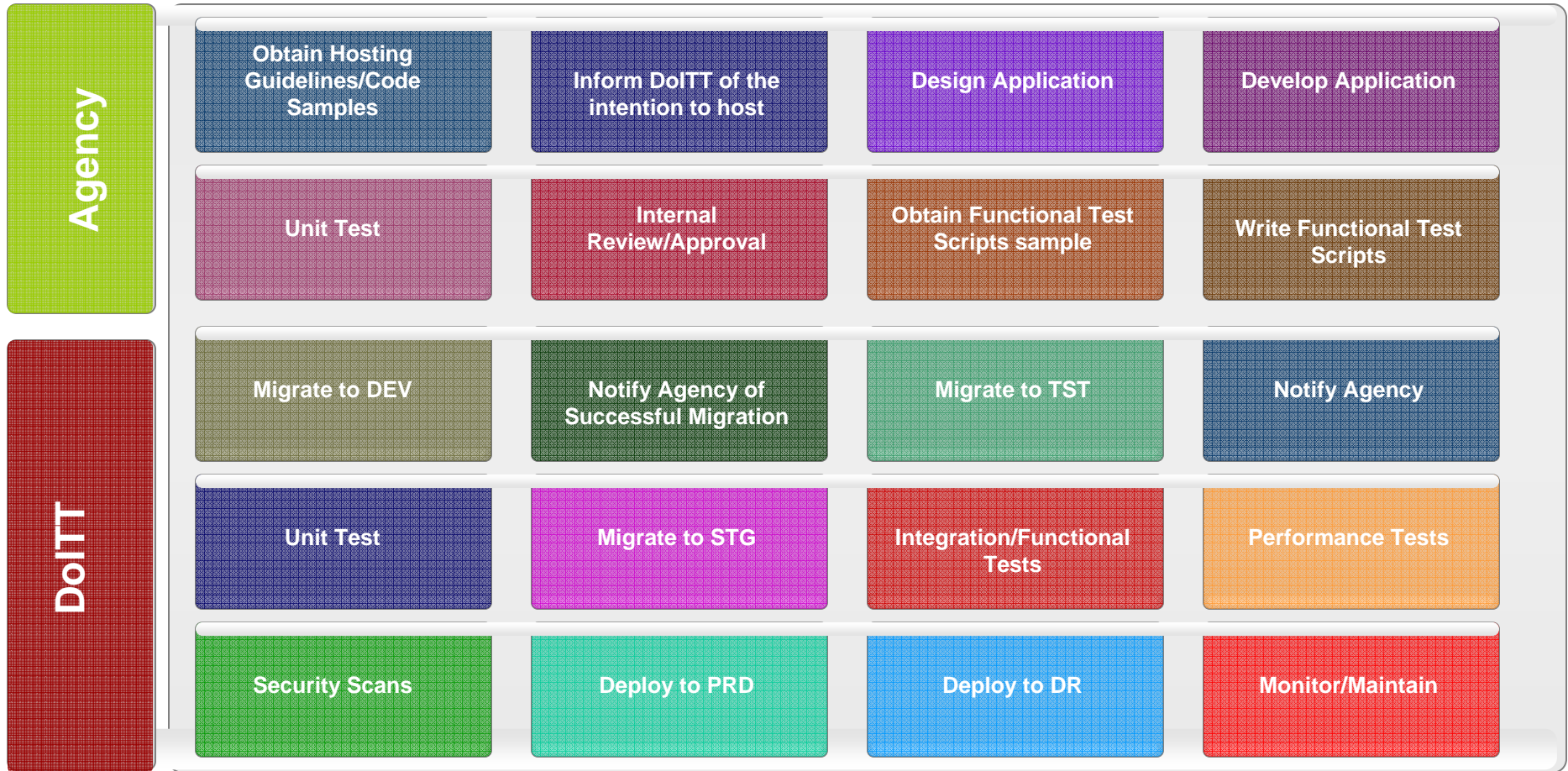
Staging

Production

Disaster Recovery



# Sample App. Dev. Scenario

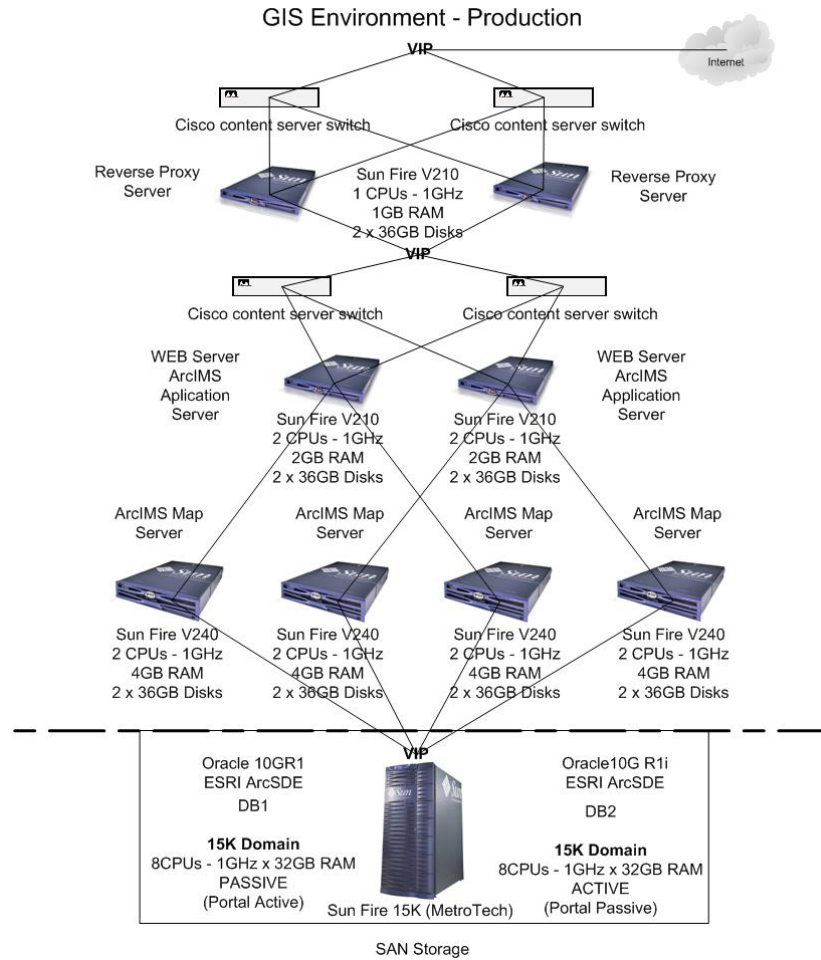


# Infrastructure - Internet

25 Sun Servers

DEV, TST, STG,  
PRD and DR

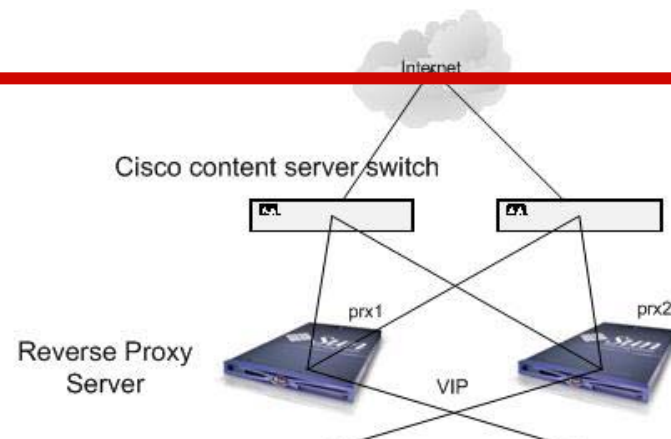
24x7 Operation



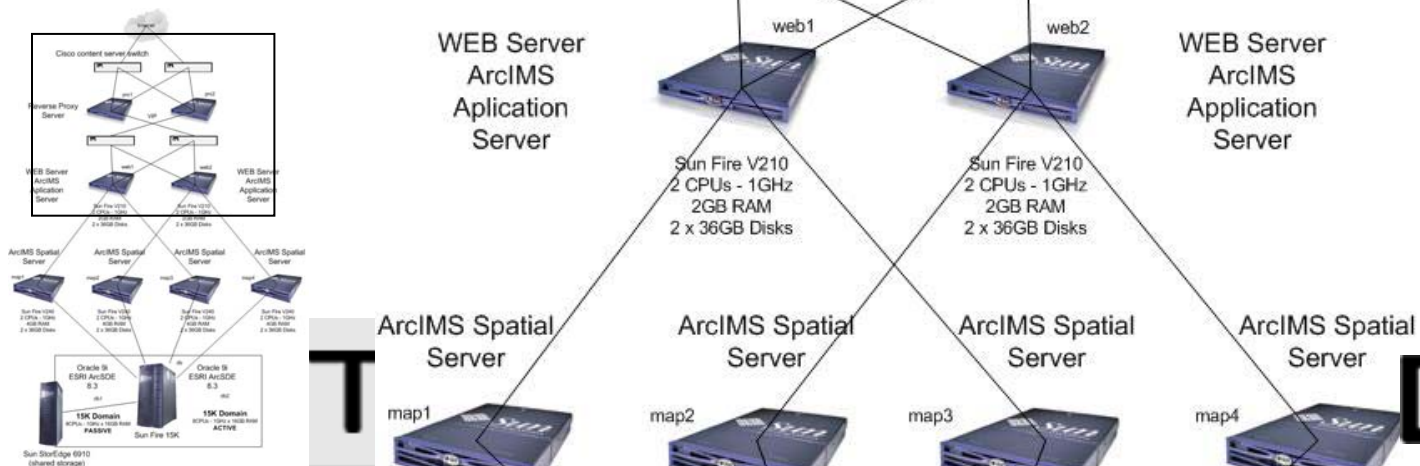
Shared Unix Services

# Reverse Proxy

Only allows requests to specific URLs to pass through



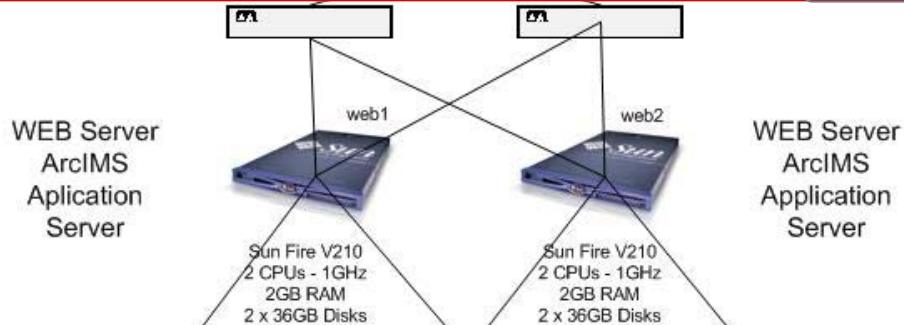
## Tier #1



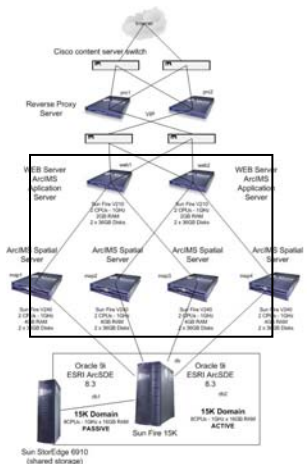
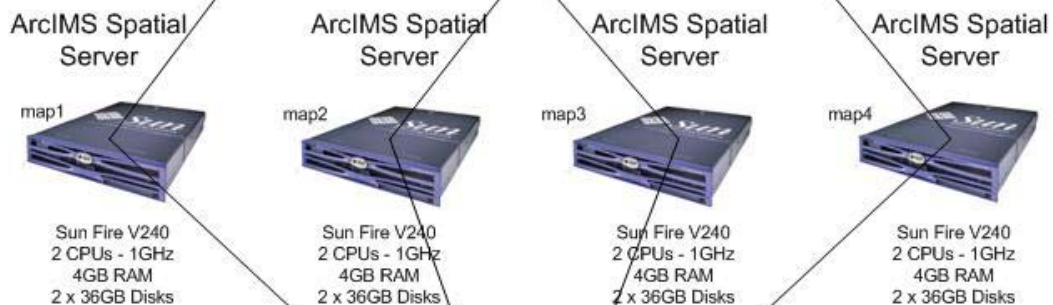


# Web/ArcIMS App Server

ArcIMS load balancing  
Java Connector,  
App. logic (Servlet, JSPs)

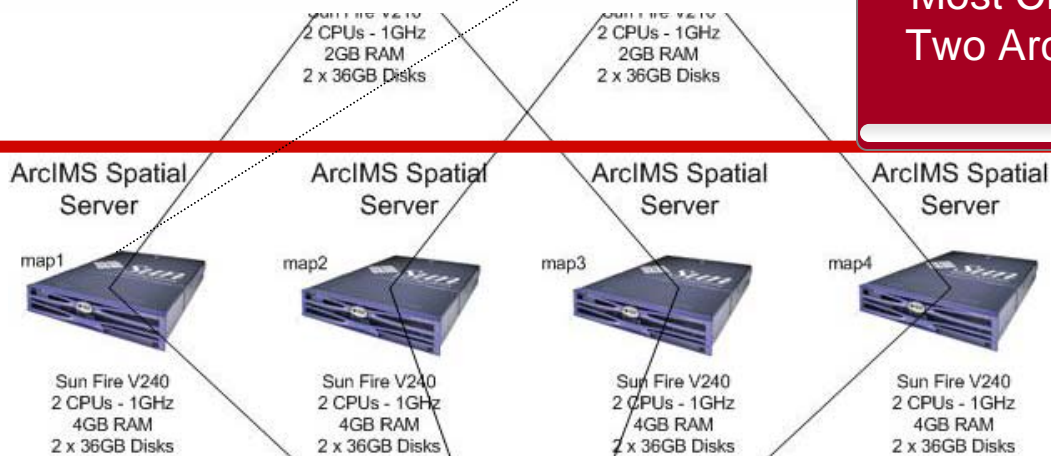


## Tier #2

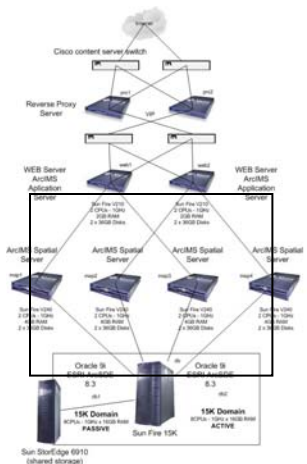


# Spatial Servers

Most CPU intensive components  
Two ArcIMS instances per server  
2 CPU servers

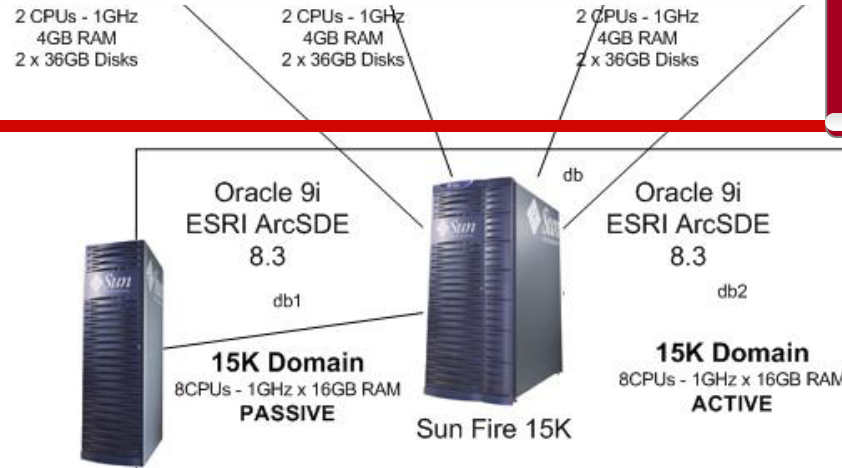


## Tier #3



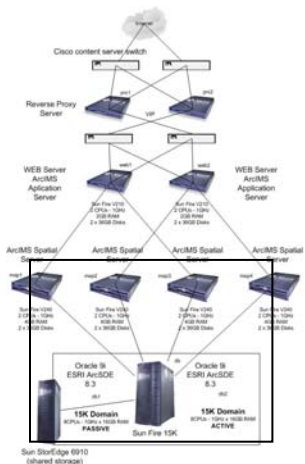
# Database/SDE Servers

Active/Passive  
Veritas Cluster Server



Tier #4

Sun StorEdge 6910  
(shared storage)



TT

DEPARTMENT OF INFORMATION TECHNOLOGY & T

DOITT

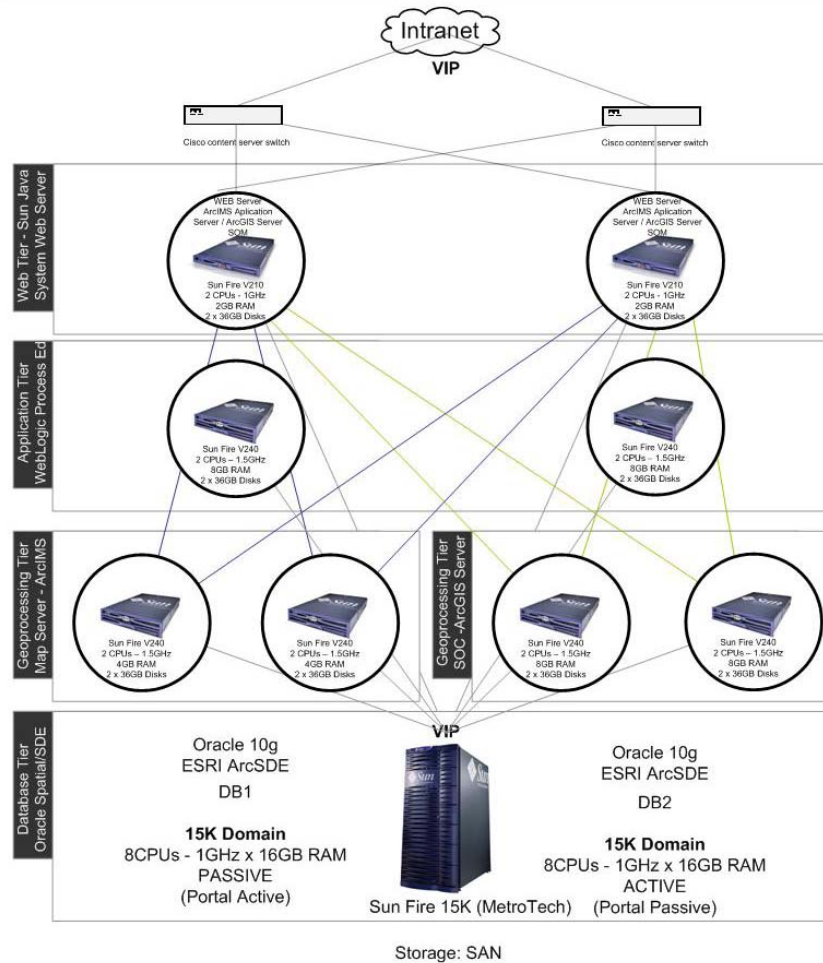


# Infrastructure - intranet

19 new Sun Servers

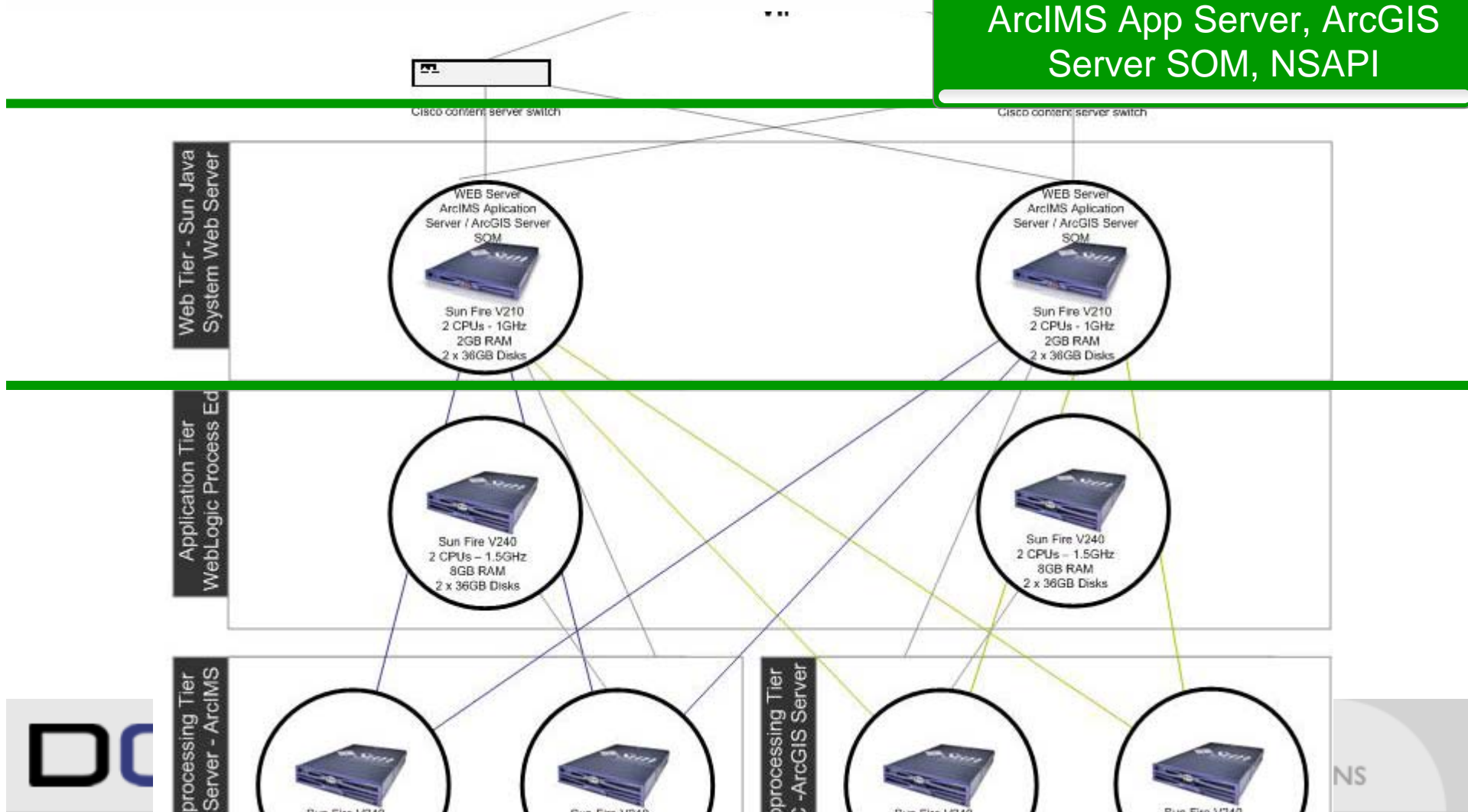
new  
PRD and DR  
environments

Shared DEV, TST,  
STG environments



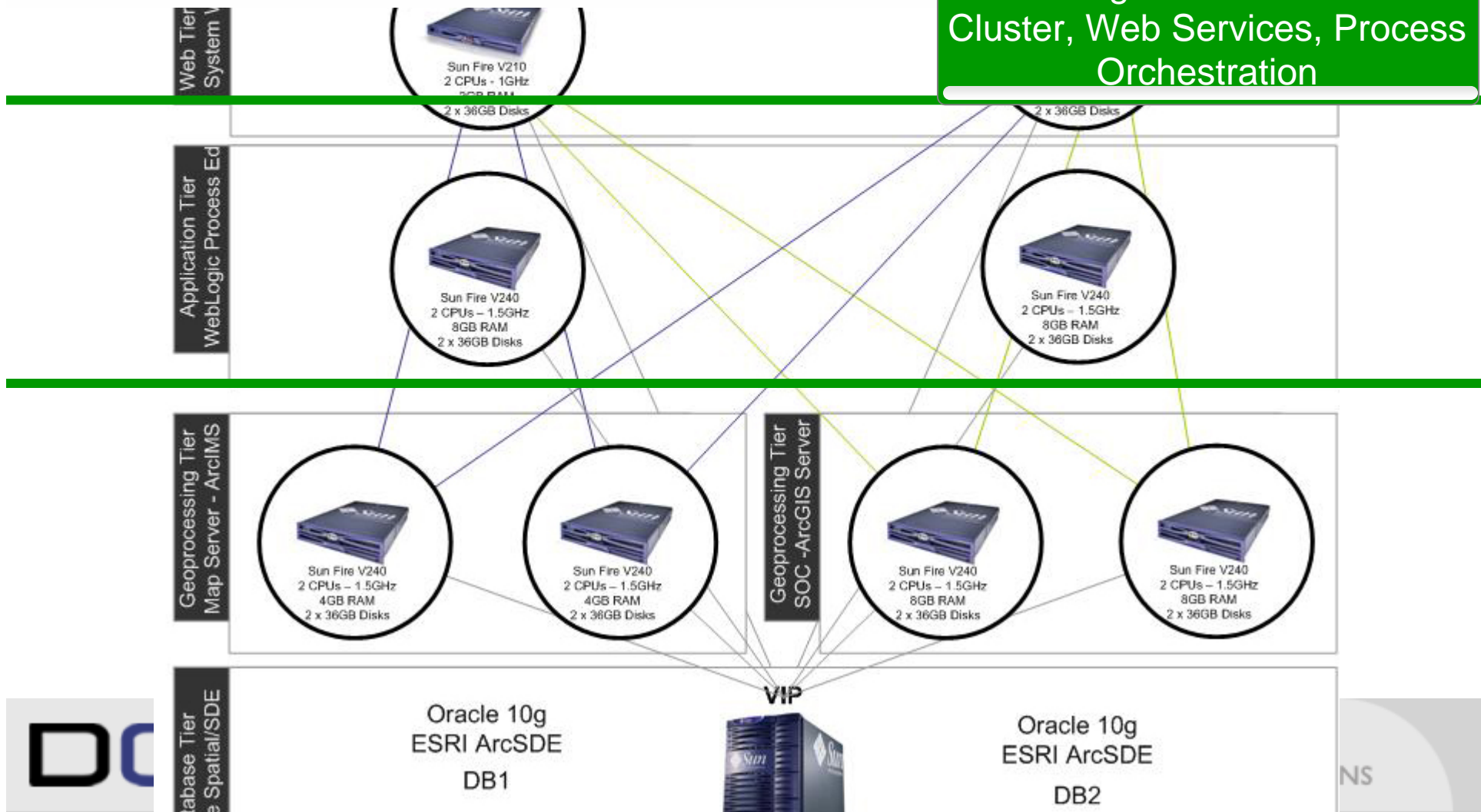
# Web tier

Static content, Simple apps, ArcIMS App Server, ArcGIS Server SOM, NSAPI



# Application Server (J2EE)

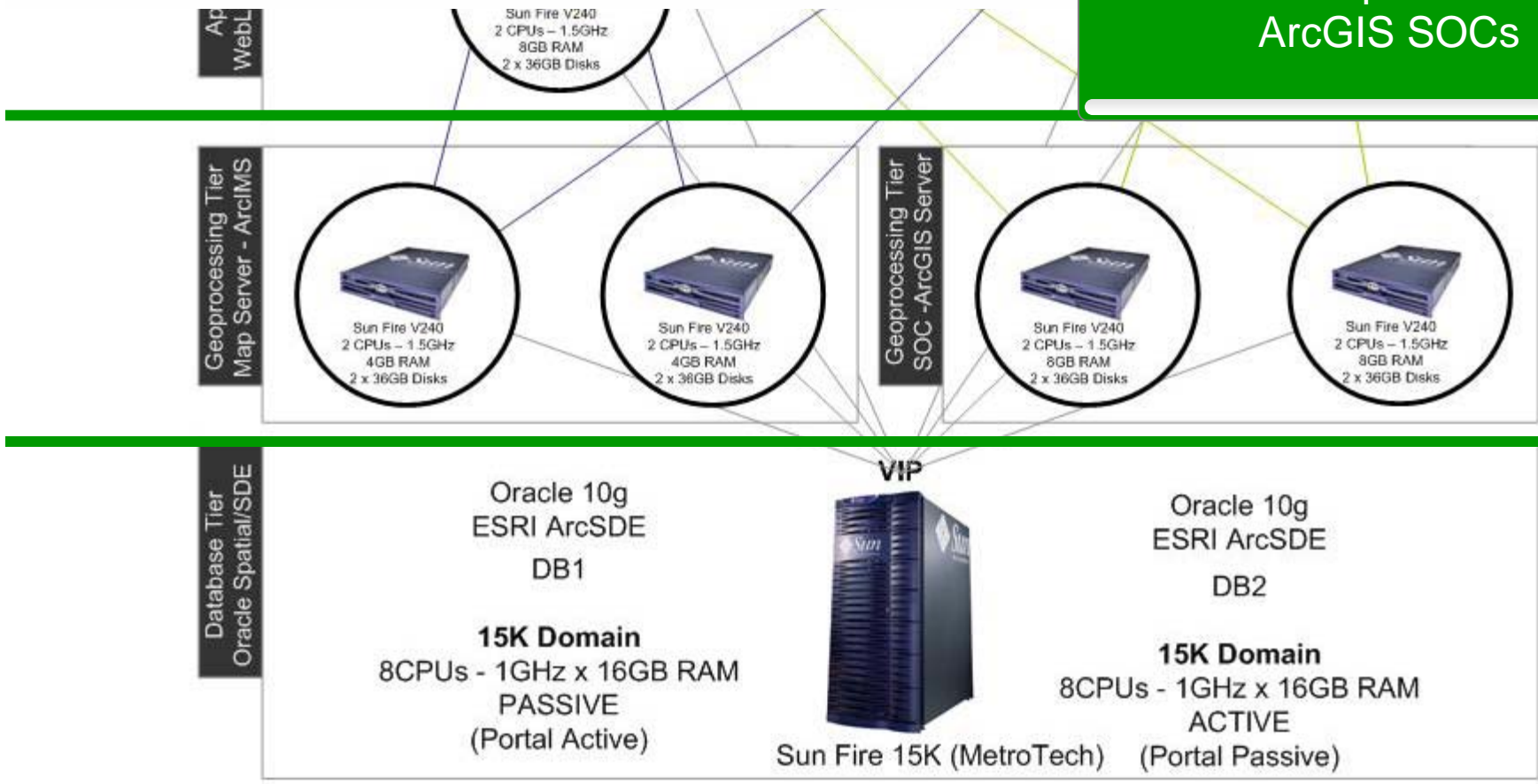
WebLogic Process Edition  
Cluster, Web Services, Process  
Orchestration





# Map and Geoprocessing Tier

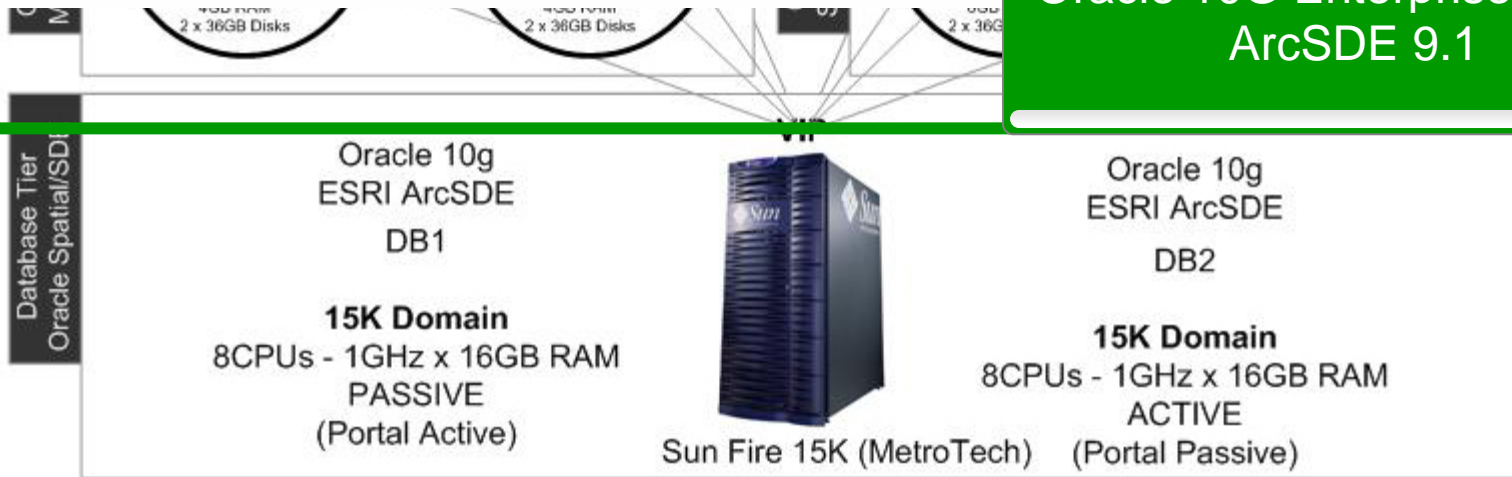
ArcIMS Map Servers and ArcGIS SOC's



Storage: SAN

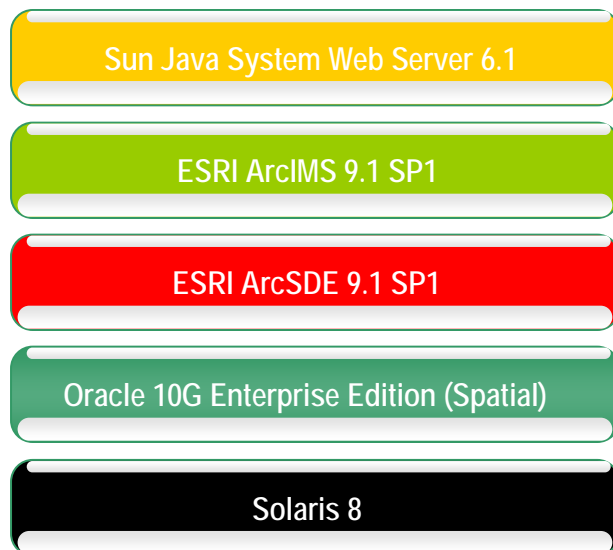
# Database Tier

Oracle 10G Enterprise Edition  
ArcSDE 9.1



# Infrastructure Software

- Internet:



- Intranet:





# Software Development Tools

- IDEs:
  - Eclipse (WTP),
  - BEA Workshop (BPM – JPDs)
- Data Management
  - ArcCatalog,
  - TOAD,
  - Oracle SQL Developer
- Testing
  - Mercury Load Runner
  - Mercury Quick Test Professional
  - Junit, Jsunit
- Misc tools and frameworks: Ant, Tomcat, CVS, Spring, Struts, Hibernate, etc...

# Issues with Current SDLC Model

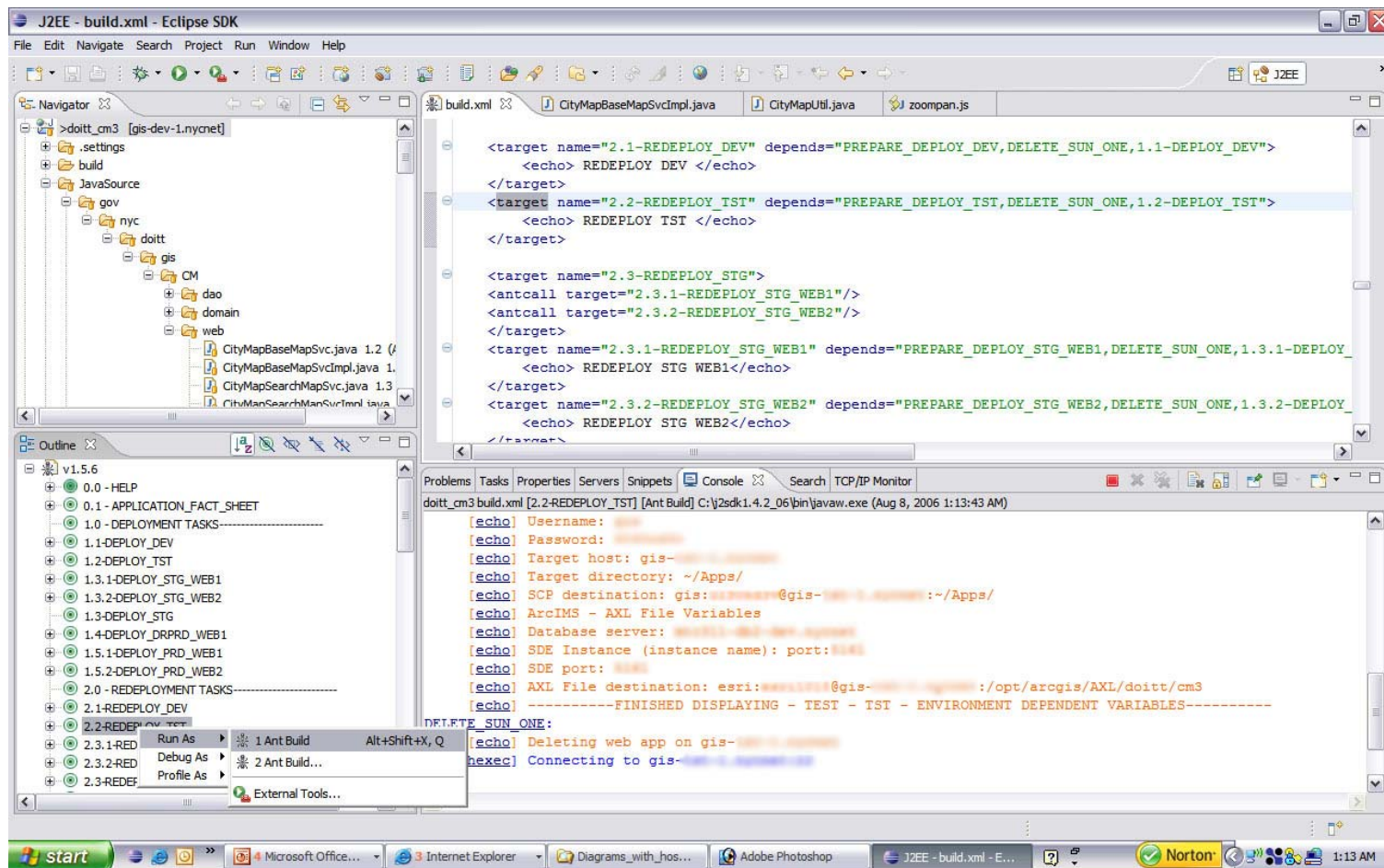
- Hosting multiple application silos
- Data duplication – maintenance issues
- Duplication of efforts - Code reuse
- Cost, project duration
- Proprietary APIs
- Point-to-Point integration
- Change Management

# Issues with Current SDLC Model

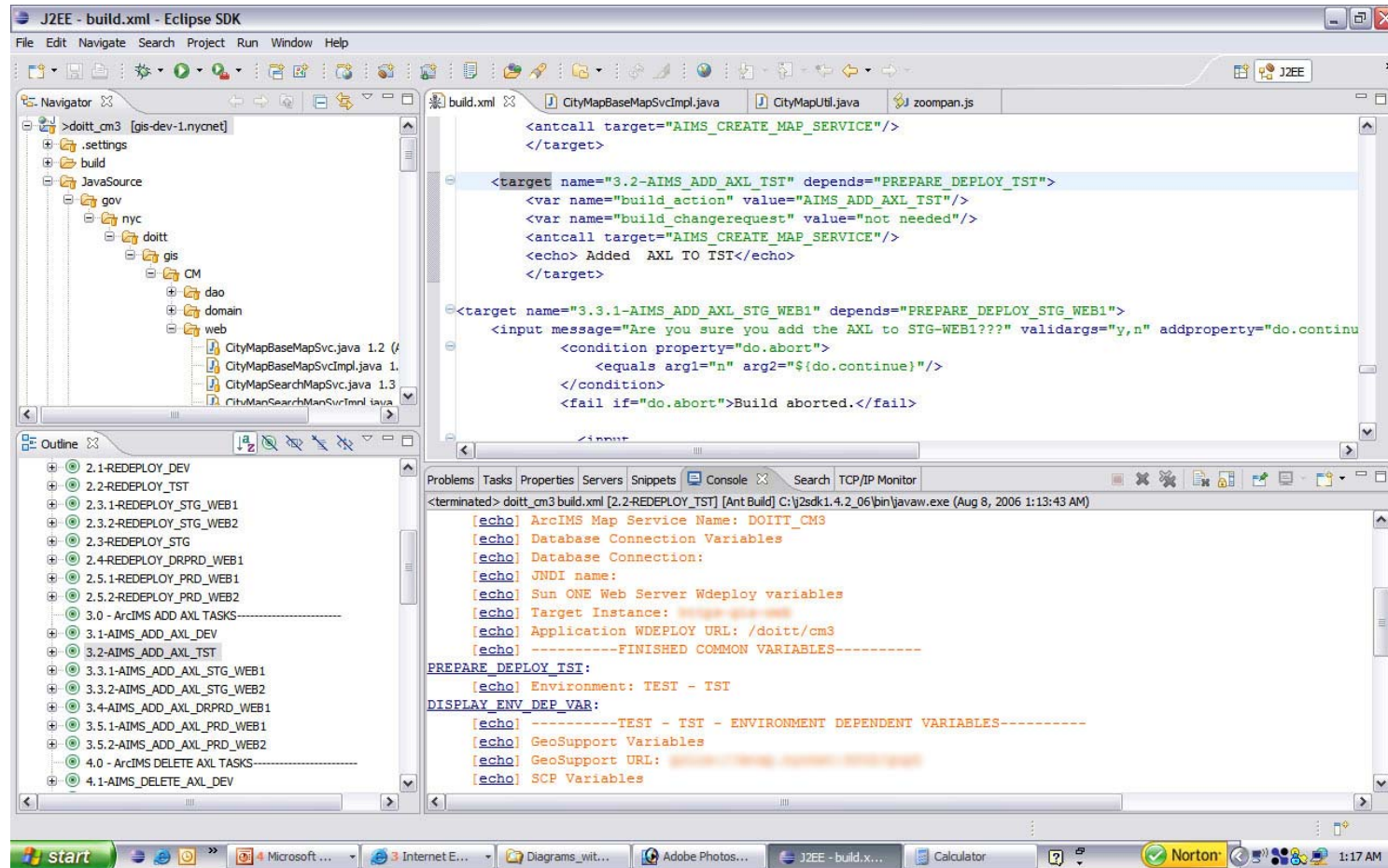
- Increasing demand for services: City Agencies want new applications built that are better, faster
- Increasing Complexity, 44 servers to manage
- Islands of information: multiple versions of same data
- Time to deployment
- Learning Curve



# Automated Deployment Scripts



# AXL deployment



The screenshot shows the Eclipse IDE interface with the following components:

- Navigator:** Displays a project structure for 'doitt\_cm3' with subfolders like '.settings', 'build', 'JavaSource', 'gov', 'nyc', 'doitt', 'gis', 'CM', 'dao', 'domain', and 'web'. It also lists several Java files such as 'CityMapBaseMapSvc.java 1.2', 'CityMapBaseMapSvcImpl.java 1.', 'CityMapSearchMapSvc.java 1.3', and 'CityMapSearchManSvcImpl.java'.
- Outline:** Shows a list of build targets, including '2.1-REDEPLOY\_DEV', '2.2-REDEPLOY\_TST', '3.0-ArcIMS ADD AXL TASKS', and '3.2-AIMS\_ADD\_AXL\_TST'.
- Editor:** Displays the 'build.xml' file with the following XML content:
 

```

      <antcall target="AIMS_CREATE_MAP_SERVICE"/>
    </target>

    <target name="3.2-AIMS_ADD_AXL_TST" depends="PREPARE_DEPLOY_TST">
      <var name="build_action" value="AIMS_ADD_AXL_TST"/>
      <var name="build_changerequest" value="not needed"/>
      <antcall target="AIMS_CREATE_MAP_SERVICE"/>
      <echo> Added AXL TO TST</echo>
    </target>

    <target name="3.3.1-AIMS_ADD_AXL_STG_WEB1" depends="PREPARE_DEPLOY_STG_WEB1">
      <input message="Are you sure you add the AXL to SIG-WEB1???" validargs="y,n" addproperty="do.continuation" type="checkbox"/>
      <condition property="do.abort">
        <equals arg1="n" arg2="${do.continuation}"/>
      </condition>
      <fail if="do.abort">Build aborted.</fail>
    </target>
      
```
- Console:** Shows the execution output of the build process, including:
 

```

      <terminated> doitt_cm3 build.xml [2.2-REDEPLOY_TST] [Ant Build] C:\j2sdk1.4.2_06\bin\javaw.exe (Aug 8, 2006 1:13:43 AM)

      [echo] ArcIMS Map Service Name: DOITT_CM3
      [echo] Database Connection Variables
      [echo] Database Connection:
      [echo] JNDI name:
      [echo] Sun ONE Web Server Wdeploy variables
      [echo] Target Instance:
      [echo] Application WDEPLOY URL: /doitt/cm3
      [echo] -----FINISHED COMMON VARIABLES-----

      PREPARE_DEPLOY_TST:
      [echo] Environment: TEST - TST

      DISPLAY_ENV_DEP_VAR:
      [echo] -----TEST - TST - ENVIRONMENT DEPENDENT VARIABLES-----
      [echo] GeoSupport Variables
      [echo] GeoSupport URL:
      [echo] SCP Variables
      
```



# Why SOA? A Strategic Decision

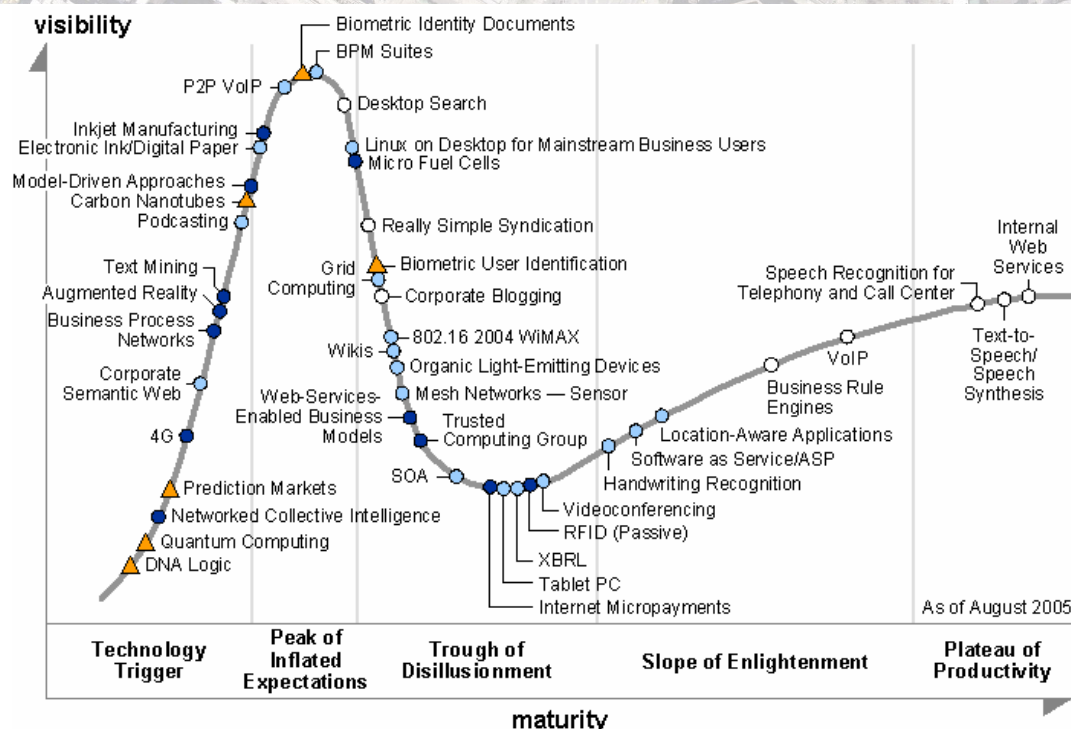
- Agility
- Flexibility
- Enables innovation
- Exposes GIS functionality to non-GIS users



# Benefits of SOA

- Reduce time to market for new services
  - Focus on delivering unique business logic
  - Enable the creation of composite applications by integrating one or more services
  - Allow services to be choreographed using BPM
- Reduce total cost of ownership of IT infrastructure and business services
  - Shared service infrastructure
- Business driven application development

# SOA Gartner's Hype Cycle



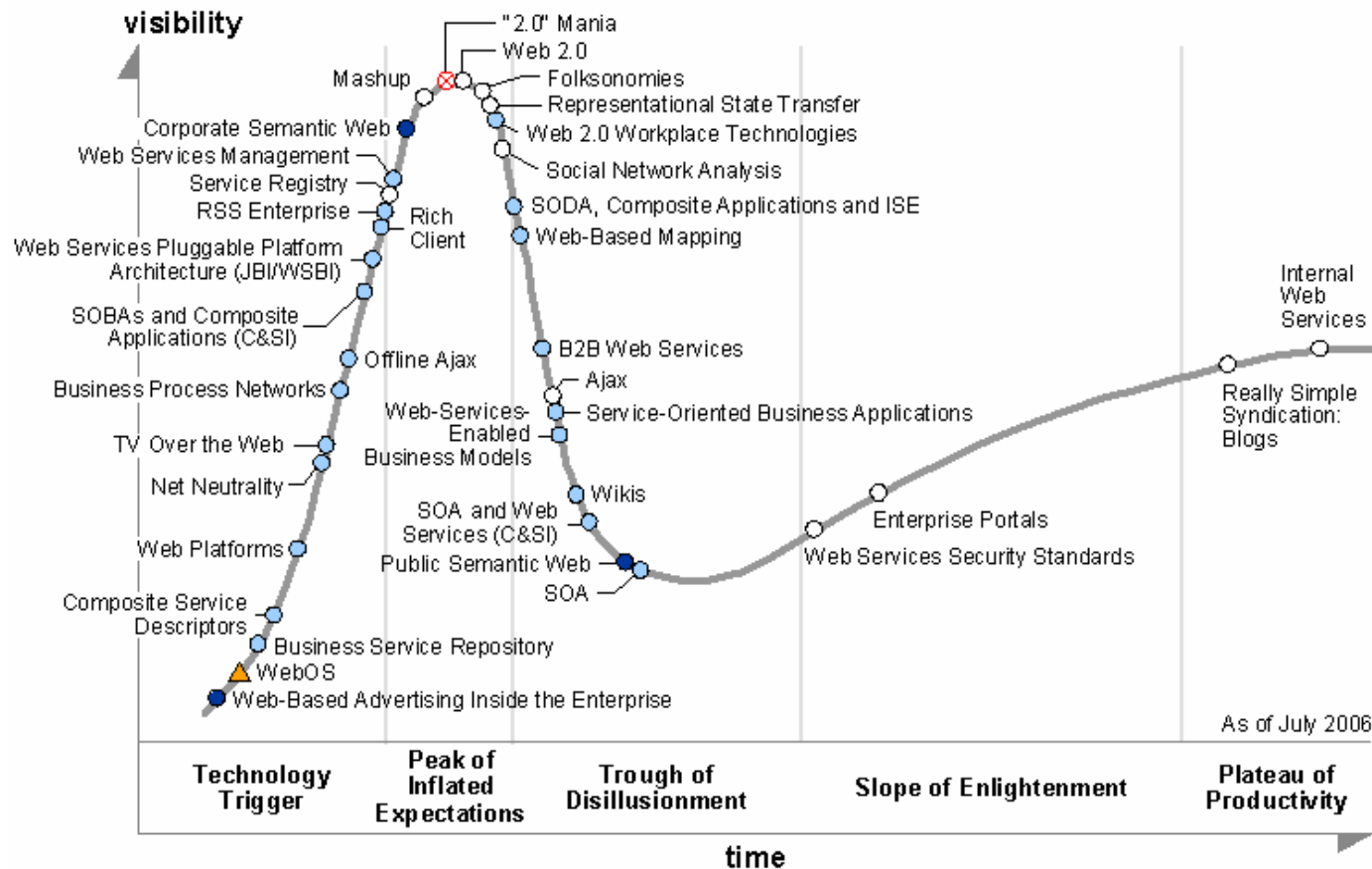
Plateau will be reached in:

- less than 2 years
- 2 to 5 years
- 5 to 10 years
- ▲ more than 10 years
- ⊗ obsolete before plateau

**Acronym Key**

- |  |  |
|--|--|
| <b>4G</b> fourth generation                | <b>SOA</b> service-oriented architecture                     |
| <b>ASP</b> application service provider    | <b>VoIP</b> voice over Internet Protocol                     |
| <b>BPM</b> business process management     | <b>WiMAX</b> Worldwide Interoperability for Microwave Access |
| <b>P2P</b> peer to peer                    | <b>XBRL</b> Extensible Business Reporting Language           |
| <b>RFID</b> radio frequency identification |  |

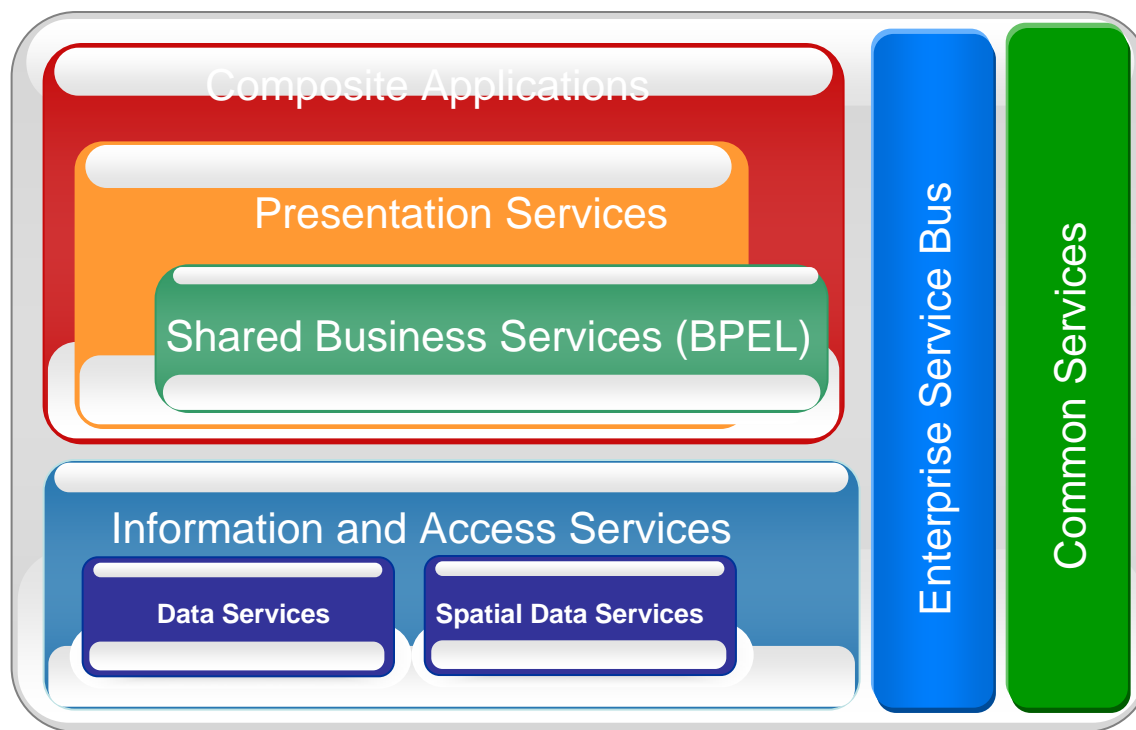
# SOA Gartner's Hype Cycle



Source: Gartner (July 2006)



# SOA



# Current Status

- Project approved
- System architecture reviewed
- Intranet infrastructure built
- First phase completed September 15, 2006
- Second phase – enable geospatial data services - February

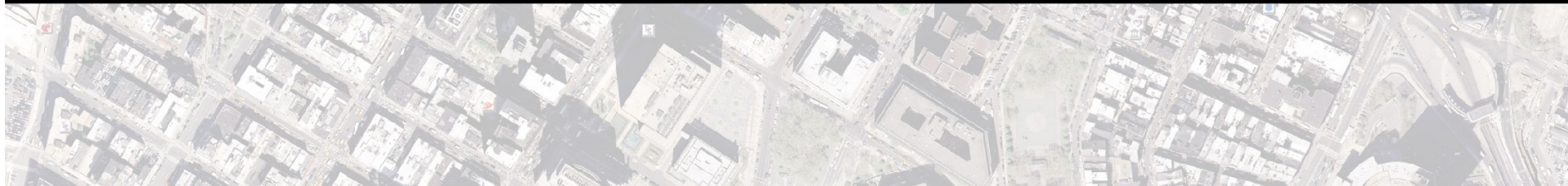
# GeoDataShare Goals

- Host intranet ArcIMS applications – In progress
- Host intranet GIS applications - **DONE**
- Replace intranet GIS data repository - **DONE**
- Provide agencies with access to live data using OGC services – In progress
- Enable ‘real-time’ geospatial data update and distribution – In progress



# Next Steps

- Develop granular web services:
  - Address validation/Geocoding
  - Building information
  - Geopolitical data (geospatial data services)
- Create composite services
- Use on internal applications
- Publish on Citywide UDDI directory (when available)



# New York CityMap

# New York CityMap

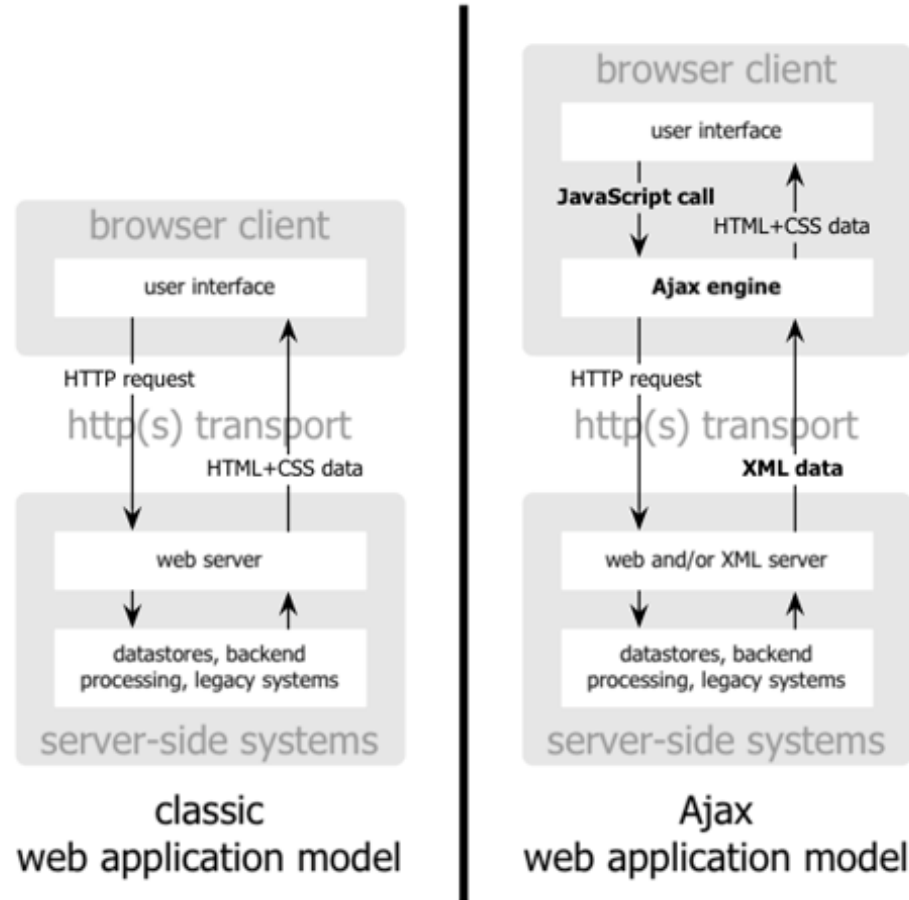
- Google map raised the standards for mapping applications
- Small/slow maps no longer acceptable
- Users expect large maps, interactive and responsive applications



# New York CityMap

- Users wanted to:
  - Be able to browse the map without entering address
  - View administrative boundaries
  - Search by address and intersection
  - Be able to find nearest Point of Interest
  - Find more information about Subways

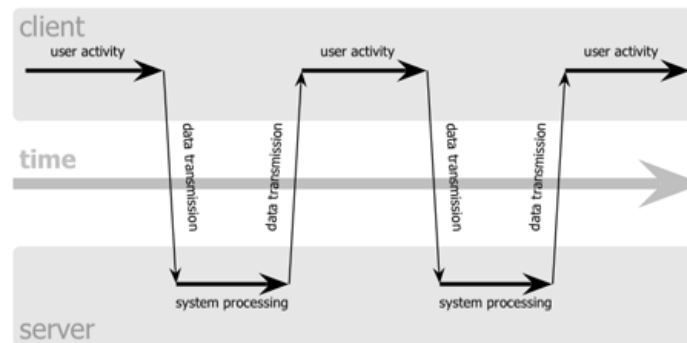
# Ajax web application model



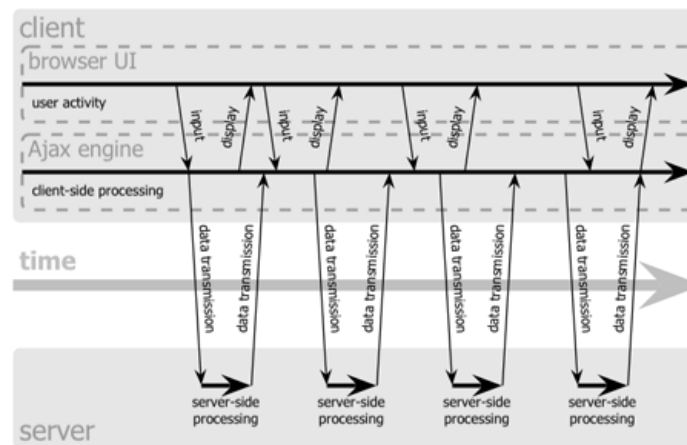
Source: [http://www.adaptivepath.com/images/publications/essays/ajax-fig1\\_small.png](http://www.adaptivepath.com/images/publications/essays/ajax-fig1_small.png)

# Ajax web application model

classic web application model (synchronous)



Ajax web application model (asynchronous)



Source: [http://www.adaptivepath.com/images/publications/essays/ajax-fig1\\_small.png](http://www.adaptivepath.com/images/publications/essays/ajax-fig1_small.png)



# CityMap Data

- Buildings: > 986000
- Tax Lots: > 850000 (Pluto – DCP)
- Points of Interest: > 9500
- Administrative Boundaries: 10
- Live links to other City Applications: 10
- Elected Officials

# Points of Interest

- Transportation
  - Subway Station
  - Subway Entrance
  - Ferry Terminal
  - JFK Airtrain Station
  - Long Island Rail Road
  - Metro North Rail Station
  - PATH Station
- Education
  - After School Program
  - College/University
  - Head Start Program
  - School
- Public Safety
  - Fire House
  - Police

# Points of Interest

- Resident Services

- Day Care Center
- Hospital
- Post Office
- Senior Center

- City Life

- Cultural Center
- Green Market
- Library
- Park
- Recreation Center
- Wifi Hotspot



# Technologies

- Solaris, Oracle Spatial, ESRI ArcIMS, ESRI ArcSDE, Sun Java System Web Server, ESRI ArcMap/ArcInfo
- Java 1.4, Spring framework
- DWR – Direct Web Remoting (Ajax)
  
- 265645 image tiles

# Administrative Boundaries

- Borough
- Zip Code
- School Instructional Region
- School District
- Fire Company
- Police Precinct
- Landmark District
- Business Improvement District
- City Council District
- Community Board

# Next Steps

- Add bus routes
- Improve Map quality
- Add street directions
- Implement multi-modal routing (directions)
- Add new points of interest
- Update Ortho photography (when available)



# Screen Shots

- **New York Marriott Brooklyn**  
333 Adams Street  
Brooklyn, NY 11201

New York CityMap - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Print Mail New Tab

**NYC.gov** always open

Residents Business Visitors Government Office of the Mayor

Residents > New York City Map [Printer Friendly Format](#) [Sign up for Email Updates](#)

**STREET** **AERIAL**

**Map Legend**

**Boundaries** [Hide](#) | [View](#)

**Selected:** None

**Points of Interest**

- Transportation**
  - Subway Station
  - Subway Entrance
  - Ferry Terminal
  - JFK Airtrain Station
  - Long Island Rail Road
  - Metro North Rail Station
  - PATH Station
  - [Show All](#) [Hide All](#)
- Education**
  - After School Program
  - College/University
  - Head Start Program
  - School
  - [Show All](#) [Hide All](#)
- Public Safety**
  - Fire House
  - Police
  - [Show All](#) [Hide All](#)
- Resident Services**
  - Day Care Center

<http://www.nyc.gov/> Local intranet



New York CityMap - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

NYC.gov always open

Residents Business Visitors Government Office of the Mayor

Residents > New York City Map [Printer Friendly Format](#) [Sign up for Email Updates](#)

**STREET** **AERIAL**

**(address you searched)**  
333 ADAMS STREET  
New York, NY 11201

[ZOOM](#) | [SHOW NEAREST](#) | [LOT INFO](#) | [DETAILS](#)

**Nearest:Subway Station**

- Jay St-Borough Hall**  
A C F  
( 0.1 miles away)  
[ZOOM](#) | [SHOW NEAREST](#) | [WEBSITE](#)
- BOROUGH HALL**  
2 3  
( 0.11 MILES AWAY)  
[ZOOM](#) | [SHOW NEAREST](#) | [WEBSITE](#)
- BOROUGH HALL**  
4 5  
( 0.14 MILES AWAY)  
[ZOOM](#) | [SHOW NEAREST](#) | [WEBSITE](#)
- LAWRENCE ST**  
M N R  
( 0.15 MILES AWAY)  
[ZOOM](#) | [SHOW NEAREST](#) | [WEBSITE](#)

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STREET AERIAL

STREET ADDRESS  
333 ADAMS STREET

BOROUGH  
Brooklyn

SHOW NEAREST...  
Subway Station

Searched Address

★ (address you searched)  
333 ADAMS STREET  
New York, NY 11201

ZOOM | SHOW NEAREST |  
LOT INFO | DETAILS |

Search Results Map Legend

Nearest: Subway Station

1 Jay St-Borough Hall  
A C F  
( 0.1 miles away)  
ZOOM | SHOW NEAREST |  
WEBSITE

2 BOROUGH HALL  
2 3  
( 0.11 MILES AWAY)  
ZOOM | SHOW NEAREST |  
WEBSITE

3 BOROUGH HALL  
4 5  
( 0.14 MILES AWAY)  
ZOOM | SHOW NEAREST |  
WEBSITE

4 LAWRENCE ST  
M N R  
( 0.15 MILES AWAY)  
ZOOM | SHOW NEAREST |  
WEBSITE

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**New Search**

STREET ADDRESS  
333 ADAMS STREET

BOROUGH  
Brooklyn

SHOW NEAREST...  
Subway Station

**Searched Address**

★ (address you searched)  
333 ADAMS STREET  
New York, NY 11201

ZOOM | [SHOW NEAREST](#) | [LOT INFO](#) | [DETAILS](#)

**Search Results** [Map Legend](#)

**Nearest: Subway Station**

- Jay St-Borough Hall**  
A C F  
( 0.1 miles away)  
[ZOOM](#) | [SHOW NEAREST](#) | [WEBSITE](#)
- BOROUGH HALL**  
2 3  
( 0.11 MILES AWAY)  
[ZOOM](#) | [SHOW NEAREST](#) | [WEBSITE](#)
- BOROUGH HALL**  
4 5  
( 0.14 MILES AWAY)  
[ZOOM](#) | [SHOW NEAREST](#) | [WEBSITE](#)
- LAWRENCE ST**  
M N R  
( 0.15 MILES AWAY)  
[ZOOM](#) | [SHOW NEAREST](#) | [WEBSITE](#)

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**368 JAY STREET**  
A C F  
ZOOM | [SHOW NEAREST](#)

**STREET** **AERIAL**

**New Search**

STREET ADDRESS

BOROUGH

SHOW NEAREST...

---

**Selected Location**

**(address you searched)**  
 333 ADAMS STREET  
 New York, NY 11201

ZOOM | [SHOW NEAREST](#) | [LOT INFO](#) | [DETAILS](#)

---

**Search Results** [Map Legend](#)

**Nearest:**Subway Entrance

- 1** 368 JAY STREET  
 A C F  
 ( 0.06 miles away)  
 ZOOM | [SHOW NEAREST](#)
- 2** JAY ST & METROTECH WALK AT SW CORNER  
 A C F  
 ( 0.06 MILES AWAY)  
 ZOOM | [SHOW NEAREST](#)
- 3** 368 JAY STREET  
 A C F  
 ( 0.06 MILES AWAY)  
 ZOOM | [SHOW NEAREST](#)
- 4** JAY ST & METROTECH WALK AT SE CORNER  
 A C F  
 ( 0.06 MILES AWAY)  
 ZOOM | [SHOW NEAREST](#)
- 5** JAY ST & METROTECH WALK



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STREET AERIAL

333 ADAMS STREET

BOROUGH Brooklyn

SHOW NEAREST... Subway Station

Selected Location

(address you searched)  
333 ADAMS STREET  
New York, NY 11201

ZOOM | SHOW NEAREST

LOT INFO | DETAILS

Elected Officials  
My Neighborhood Statistics  
Parks Locator  
Buildings Information System  
Address Translator  
Census FactFinder  
Poll Site Locator  
School & Zone Finder  
Sanitation Collection Schedule  
Restaurant Inspections for 11201  
NYC Health Profile

Map Legend

2 JAY ST & METROTECH WALK AT SW CORNER  
A C F  
( 0.06 MILES AWAY)  
ZOOM | SHOW NEAREST

3 368 JAY STREET  
A C F  
( 0.06 MILES AWAY)  
ZOOM | SHOW NEAREST

4 JAY ST & METROTECH WALK AT SE CORNER  
A C F  
( 0.06 MILES AWAY)  
ZOOM | SHOW NEAREST

5 JAY ST & METROTECH WALK

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→ Contact DOHMH

### Restaurant Inspection Information

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**Search on:**

Zip Code

**Browse:**

- Alphabetically
- Neighborhoods
- Violation Points
- Golden Apples
- Bronx
- Brooklyn
- Manhattan
- Queens
- Staten Island

**Resources:**

- Scoring Defined
- Glossary of Terms
- Golden Apple Initiative

Found 314 Restaurants. Displaying page 1 of 16.

\*To view inspection details, please click on a restaurant name.

Sort by:

#### Search Results

	<a href="#">MISO JAPANESE RESTAURANT</a> 40 MAIN STREET, BROOKLYN 11201 718-858-8388	2
	<a href="#">68 JAY STREET BAR</a> 68 JAY STREET, BROOKLYN 11201	0
	<a href="#">BURGER KING</a> 510 FULTON STREET, BROOKLYN 11201 718-935-1404	0
	<a href="#">CONTINENTAL RESTAURANT</a> 395 BRIDGE STREET, BROOKLYN 11201 718-624-9636	0
	<a href="#">DAMASCUS BREAD &amp; PASTRY S</a> 195 ATLANTIC AVENUE, BROOKLYN 11201 718-625-7070	0
	<a href="#">EL NUEVO PORTAL RESTAURANT</a> 217 SMITH STREET, BROOKLYN 11201 718-246-1416	0
	<a href="#">KEYSPAN ENERGY</a> 1 METROTECH, BROOKLYN 11201	0
	<a href="#">LUCIANO'S</a>	

**How violation points work:**  
The lower the number of points accrued by a restaurant during an inspection, the better the inspection result. The Health Department inspects restaurants, and assigns violation points for every violation observed, depending on the severity and extent of the violation. A score of 27 or less is needed for a restaurant to pass the inspection. Restaurants with scores of 28 or more are re-inspected.

0 28 175  
Pass Requires Compliance Inspection  
More ->

**Glossary of Terms:**  
We want our inspection results to be as clear as possible. The definitions of terms used for

Internet



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STREET AERIAL

STREET ADDRESS  
59 MAIDEN LANE

BOROUGH  
Manhattan

SHOW NEAREST...  
Subway Entrance

Searched Address

(address you searched)  
59 MAIDEN LANE  
New York, NY 10038

ZOOM | SHOW NEAREST | LOT INFO | DETAILS

Search Results Map Legend

Nearest: Subway Entrance

1 1 FEDERAL RESERVE PLAZA  
2 3 4 5 A C J M Z  
( 0.04 miles away)  
ZOOM | SHOW NEAREST

2 69 JOHN STREET  
2 3 4 5 A C J M Z  
( 0.05 MILES AWAY)  
ZOOM | SHOW NEAREST

3 JOHN ST & NASSAU ST AT NE CORNER  
2 3 4 5 A C J M Z  
( 0.05 MILES AWAY)  
ZOOM | SHOW NEAREST

4 69 JOHN STREET  
2 3 4 5 A C J M Z

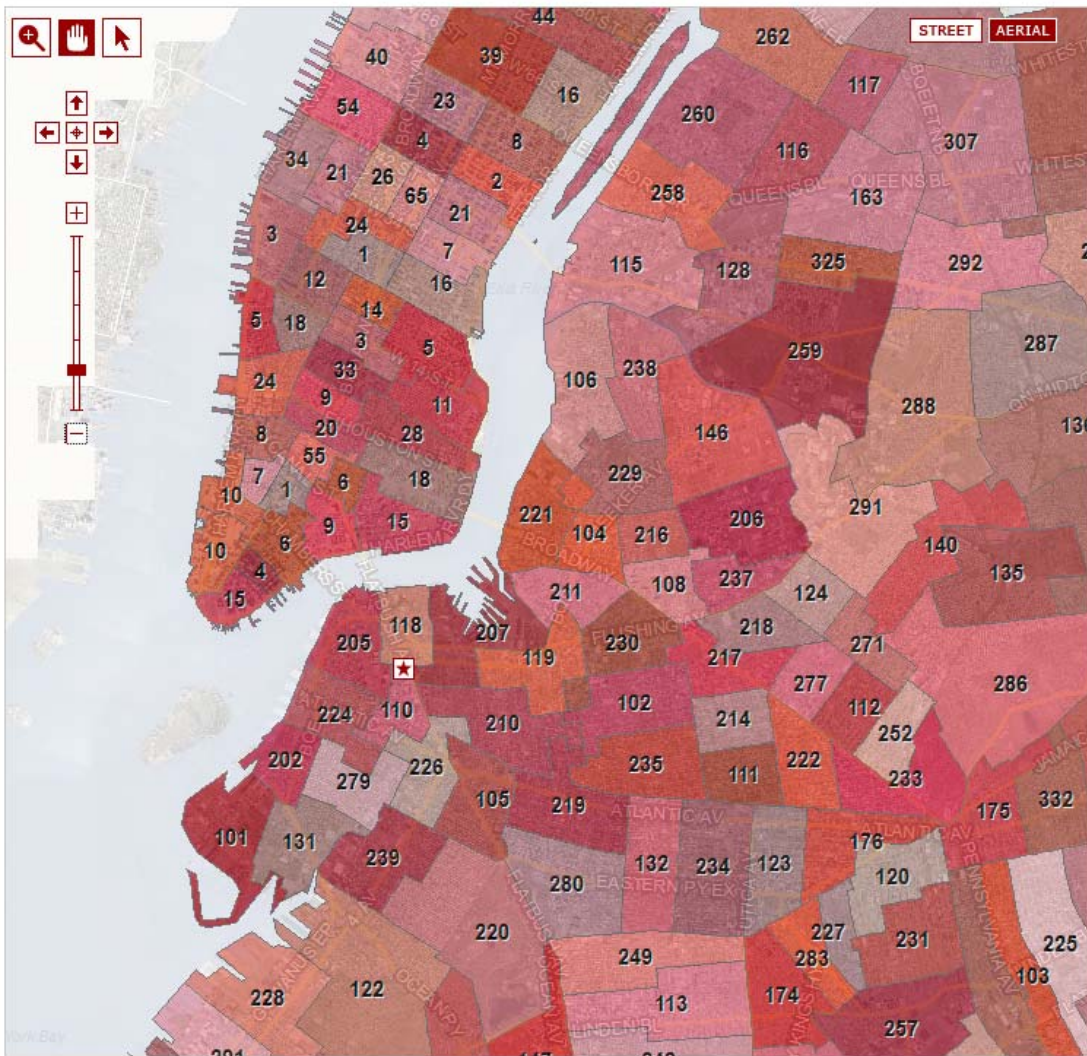
Done Local intranet





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New Search

STREET ADDRESS  
11 METROTECH  
BOROUGH  
Brooklyn  
SHOW NEAREST...  
- Optional -

Searched Address

(address you searched)  
11 METROTECH  
New York, NY 11201  
ZOOM | SHOW NEAREST  
LOT INFO | DETAILS

Map Legend

Boundaries Hide | View

- Borough
- Zip Code
- School Instructional Region
- School District
- Fire Company
- Police Precinct
- Landmark District
- Business Improvement District
- City Council District
- Community Board
- None

Points of Interest

Transportation

- Subway Station





New Search

STREET ADDRESS: 59 MAIDEN LANE
BOROUGH: Manhattan
SHOW NEAREST...: Subway Station

Searched Address

(address you searched)
59 MAIDEN LANE
New York, NY 10038

ZOOM | SHOW NEAREST
LOT INFO | DETAILS

Map Legend Search Results

Boundaries Hide | View

Selected: None

Points of Interest

Transportation

- Subway Station
Subway Entrance
Ferry Terminal
JFK Airtrain Station
Long Island Rail Road
Metro North Rail Station
PATH Station

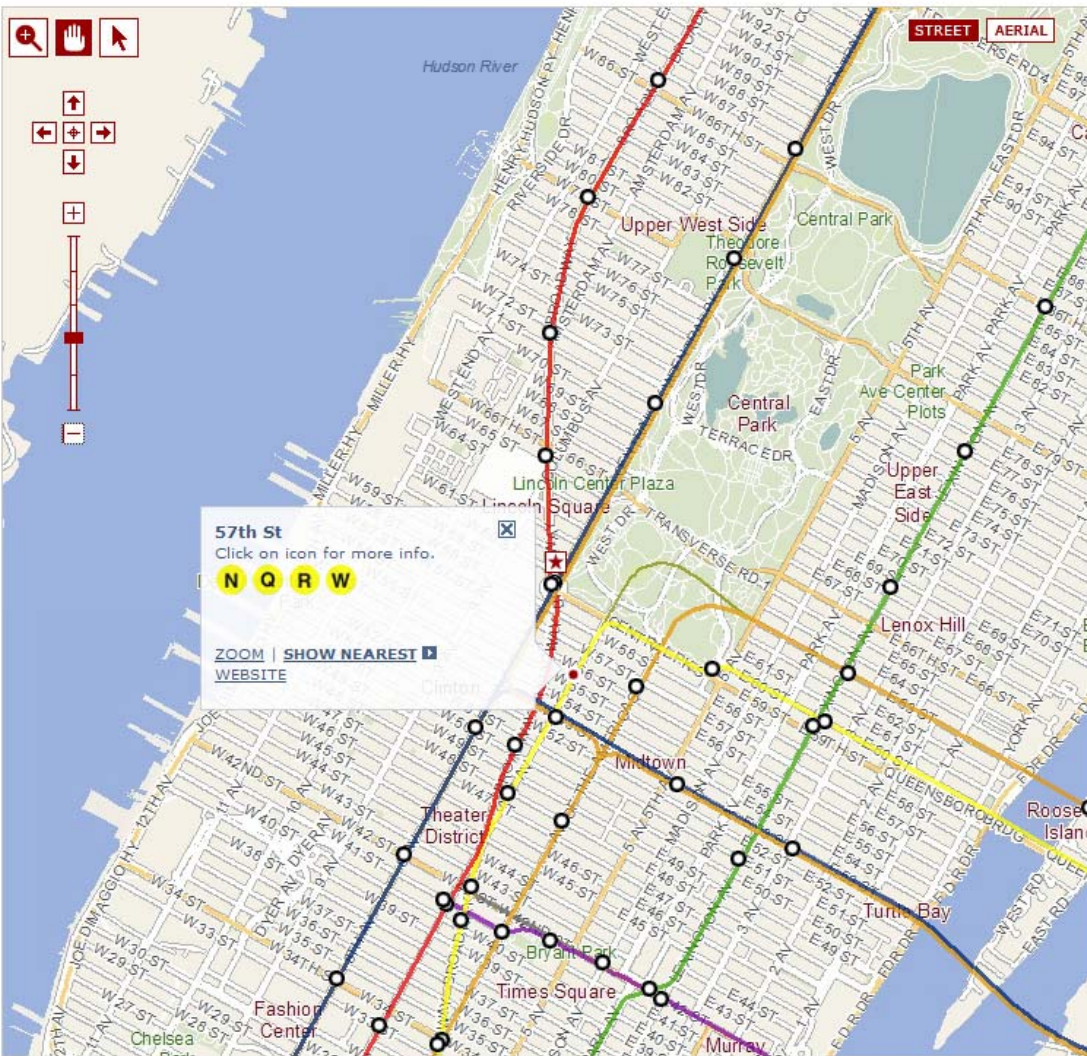
Education

- After School Program
College/University
Head Start Program
School





Residents > New York City Map



New Search

STREET ADDRESS: 1850 BROADWAY
BOROUGH: Manhattan
SHOW NEAREST...: -- Optional --

Searched Address

(address you searched)
1850 BROADWAY
New York, NY 10023
ZOOM | SHOW NEAREST
LOT INFO | DETAILS

Map Legend

Boundaries Hide | View

Selected: None

Points of Interest

Transportation

- Subway Station
Subway Entrance
Ferry Terminal
JFK Airtrain Station
Long Island Rail Road
Metro North Rail Station
PATH Station

Education

- After School Program
College/University
Head Start Program
School





# Questions?

- [mgouvea@doitt.nyc.gov](mailto:mgouvea@doitt.nyc.gov)

