

Leveraging Open Source Solutions

Drupal, the Acquia Cloud and MTA's
Emergency Notification Site



Our Challenge

- Our responsibility to customers
 - Our customers expect accurate and up to date information from our websites.
 - In time of emergencies, MTA.INFO often see a ten fold increase in traffic as customers seek to ascertain the best alternative method of transportation.
- Need to continually increase web capabilities services without increasing costs.
 - New real time information systems
 - Increase Mobile offerings
 - Reduce hardware infrastructure costs
 - Reduce software licensing fees



Open Source Software

- Drupal becomes our web site framework
 - Over a million sites using Drupal worldwide
 - Large organizations: NYSE, Sony Music, Whitehouse
 - Large community of developers & support systems
 - Large library of add-on modules allowing substantial flexibility without custom programming
 - Open API architecture allows for custom programming when necessary
 - Open source development tools



Cloud Based Infrastructure

- Acquia Managed Cloud Architecture
 - Specialized Amazon Cloud optimized for Drupal
 - Easily scaled to meet current and future needs
 - Complete code management from Dev to Production
 - Full Backup and Archive support
- Acquia System Design, Support & Training
 - System architecture design and integration



MTA's Drupal Architecture

Data Feeds

- Real time train location
- Schedules
- Service interruptions
- ...

Weather/Emergency

- Dedicated, unchanging environment
- Stability valued above all else
- Keep it simple

The Rest !

- Drupalize the MTA's web sites
- Create applications instead of static HTML
- Reduce costs to maintain sites
- Increase capabilities



First Project: Emergency Web Site

- Create a highly scalable specialized web site
- Enable non-technical staff to update the site from any location
- Provide approval workflow for consistent messaging
- Integrate with existing web site sub-systems
- Create automated Disaster Recovery System
- Train 30 staff members from all agencies



Emergency Web Site: Adding Content

Home » Add content

Create Agency Emergency Notice

Agency *
Bridges and Tunnels ▾

Title *
B and T normal operation

Agency Emergency Summary *
The MTA Bridges and Tunnels are operating normally with slight delays due to increased traffic. We anticipate continues operation as the storm proceeds to the north.


Agency Summary is limited to 1000 characters, remaining: **834**

This area is for a suggested summary of the full agency notice that would be suitable for the front page. You can use [1] or [sir] or other route indicators for subway line graphics

Agency Emergency Text *
The MTA Bridges and Tunnels are operating normally with slight delays due to increased traffic. We anticipate continues operation as the storm proceeds to the north. The MTA Bridges and Tunnels are operating normally with slight delays due to increased traffic. We anticipate continues operation as the storm proceeds to the north. The MTA Bridges and Tunnels are operating normally with slight delays due to increased traffic. We anticipate continues operation as the storm proceeds to the north. The MTA Bridges and Tunnels are operating normally with slight delays due to increased traffic. We anticipate continues operation as the storm proceeds to the north. The MTA Bridges and Tunnels are operating normally with slight delays due to increased traffic. We anticipate continues operation as the storm proceeds to the north.

Enter all the text for this notice. This is the full notice and will likely be linked to from the main emergency page You can use [1] or [sir] or other route indicators for subway line graphics

IMAGE
This is where you add a photo corresponding to this agency's emergency notice. [Show row weights](#)

FILE INFORMATION	OPERATIONS
 verrazano-004-BandT.jpg (18.43 KB)	Remove

Alternate text
Verrazano Bridge
This text will be used by screen readers, search engines, or when the image cannot be loaded.

Caption
Bridges and Tunnels operating normally
The caption is displayed below the image.

Add a new file

Files must be less than **8 MB**
Allowed file types: **png gif jpg jpeg**



Emergency Web Site: Approving Content

The screenshot displays a web dashboard for content management. At the top, there is a navigation bar with 'Dashboard' and 'Content' tabs, and a user profile for 'test_master'. Below the navigation bar, there are links for 'Add content' and 'Find content'. The main content area is titled 'Dashboard' and includes a 'Customize dashboard' link. The dashboard is divided into several sections:


- Pending Agency Submissions:** A table with columns for Reference #, Title, Agency, Submitted By, and Edit. It lists two submissions from New York City Transit.
- Admin Shortcuts:** A list of links for 'Manage Useful Links' and 'Edit Safety Reminder Block'.
- Agency Message Status:** A table with columns for Agency Name and Status, showing status controls for New York City Transit, Long Island Rail Road, Metro-North Railroad, and Bridges and Tunnels.

REFERENCE #	TITLE	AGENCY	SUBMITTED BY	EDIT
3736	Clone of Hurricane Storm Warning	New York City Transit	Eugene.Ribeiro	edit
3731	Hurricane Storm Warning	New York City Transit	Eugene.Ribeiro	edit

AGENCY NAME	STATUS
New York City Transit	<input type="radio"/> Off <input checked="" type="radio"/> On <input type="button" value="Save"/>
Long Island Rail Road	<input type="radio"/> Off <input checked="" type="radio"/> On <input type="button" value="Save"/>
Metro-North Railroad	<input type="radio"/> Off <input checked="" type="radio"/> On <input type="button" value="Save"/>
Bridges and Tunnels	<input type="radio"/> Off <input checked="" type="radio"/> On <input type="button" value="Save"/>



Emergency Web Site: Home Page

Accessibility | FAQs/Contact Us

[Home](#) | [Schedules](#) | [Fares & Tolls](#) | [Maps](#) | [Planned Service Changes](#) | [About the MTA](#) | [Doing Business With Us](#) | [Transparency](#)

MTA Advisory

Select Language

Service Status

as of 8:02:38 AM

Subway	Rail	Bus	Bridges & Tunnels
The Weekender Future Date			
1 2 3	Good Service		
4 5 6	Good Service		
7	Good Service		
A C E	Good Service		
B D F M	Good Service		
G	Good Service		
J Z	Good Service		
L	Good Service		
N Q R	Good Service		
S	Good Service		
SIR	Good Service		
Elevator & Escalator Get Widget			

The MTA Emergency Website

There are no emergency-level disruptions of MTA service at this time. Please check the Service Status box at left for delays and other service issues.

You are viewing a non-active website for New York's Metropolitan Transportation Authority. This site is activated only in the event of an emergency or during severe weather conditions. When this emergency website is activated, access to the MTA's regular site may or may not be available depending on traffic volume.

New York City Transit

Testing the cron

[read more](#)

Long Island Rail Road

This is another test of the synchronization between the East and the West

[read more](#)

Metro-North Railroad

This is a test of the MTA Metro-North feed to the MTA Emergency website and to the "read more" link.


[read more](#)

Bridges and Tunnels

This is a test of the MTA Bridges and Tunnels feed to the MTA Emergency website and to the "read more" link.

[read more](#)

On Scene



The flooded LIRR Island Park Station

AccuWeather.com

New York, NY

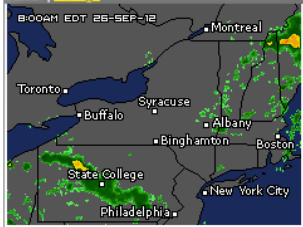
Currently | [Hourly Info](#) | [15 Days](#) | [Videos](#)

65°F Cloudy
RealFeel®: 62°F
Winds: SW at 7 mph

Your Extended Forecast

Today	Tomorrow
77°/62° A couple of t-storms early	72°/58° Mostly cloudy, a little rain
Friday	Saturday
66°/58° Rain	68°/59° Cloudy with a few showers

Radar | [Enlarge](#)



Weather Forecast | Weather Maps | Weather Radar

Powered by [ACQUIA](#)

Useful Links

- [NY1](#)
- [Amtrak](#)
- [NJ PATH](#)

Safety

For your safety

- Watch your step
- Hold handrails
- Be careful boarding buses

Sharing Open Source Solutions

- Should NY MTA make the Emergency Web Site code free for the asking to other public transit organizations ?
- Can we begin to leverage open source to share solutions ?

