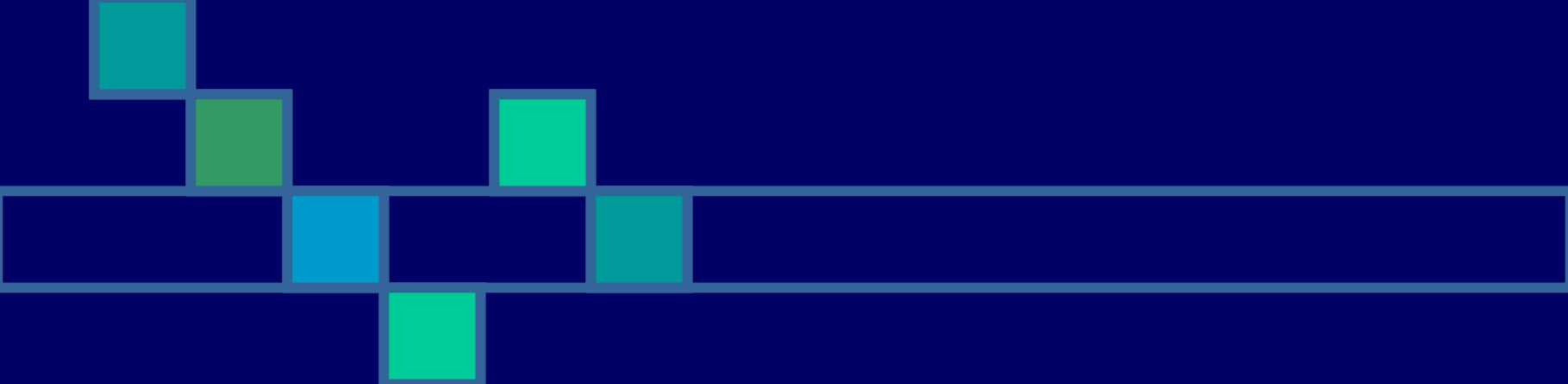
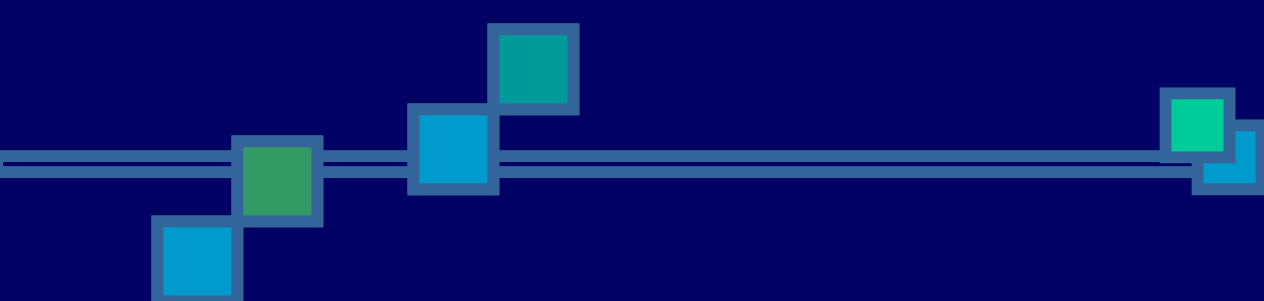




NWIS Dialer: Developed by Jeff Hamilton, MD District

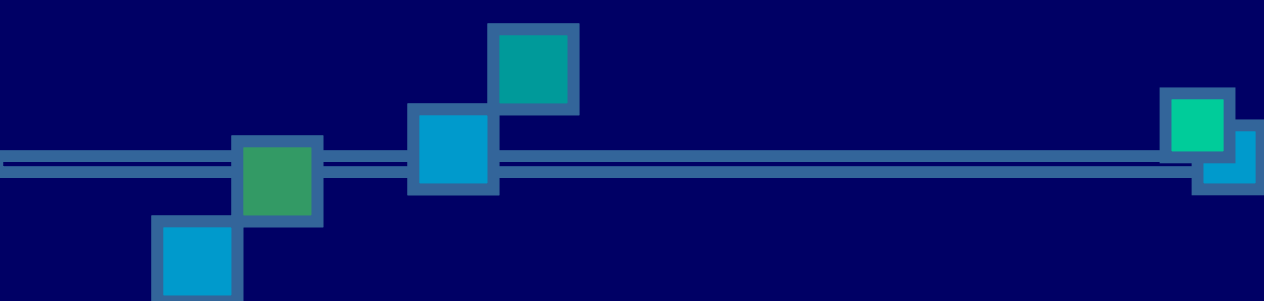


Jessie



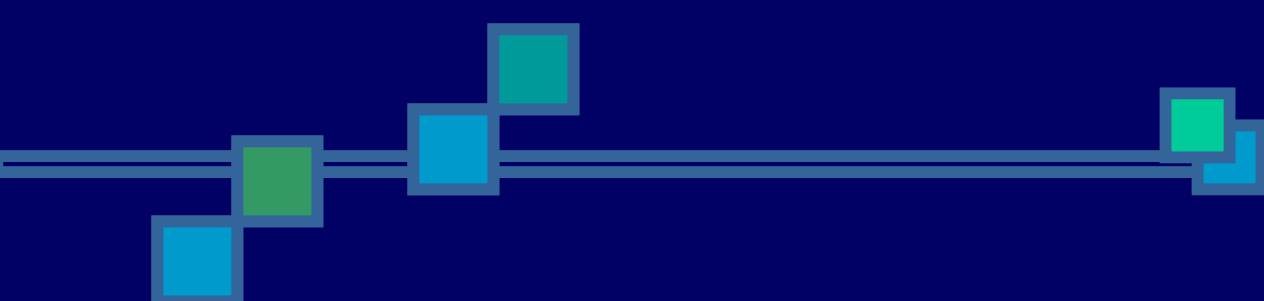
Why MD developed NWIS Dialer...

- MD was using older DG/UX scripts which are no longer supported.
 - Needed to allow users to easily configure dial-up sites and control dial-up process.
 - Wanted to decommission remaining DG server.
- 



Nationwide Needs

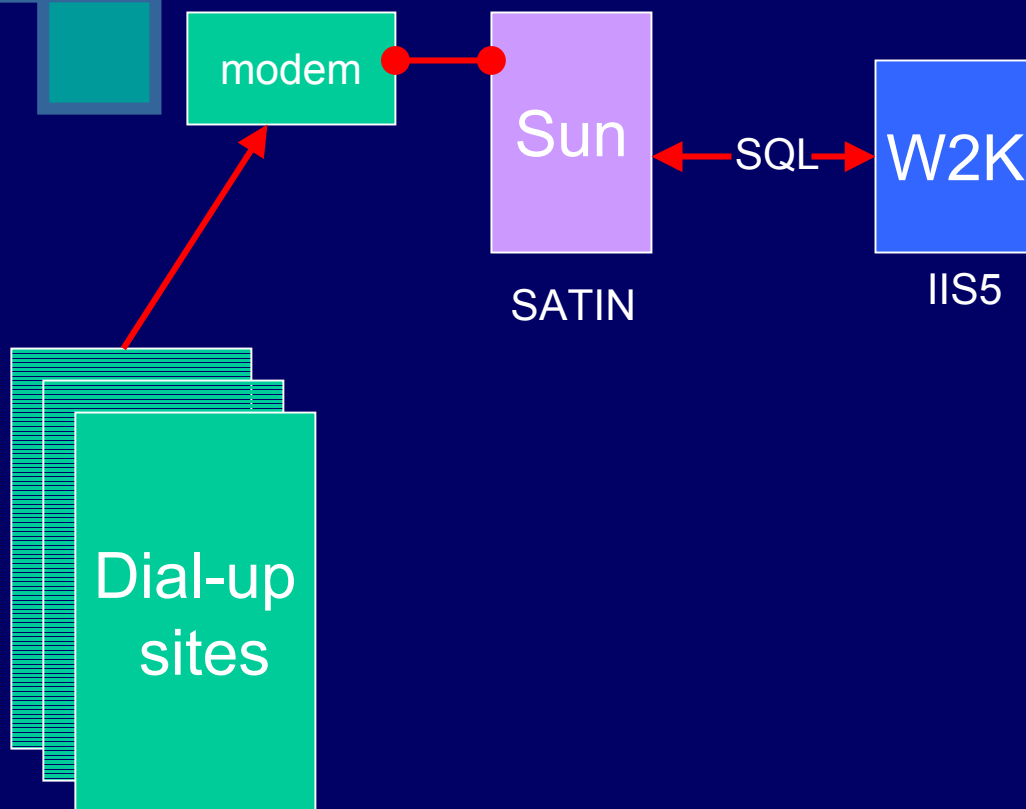
- Districts are questioning why NatWeb was only designed to process data from GOES sites and not Dial-Up
 - In NR alone 39% of real-time data comes from non-GOES sites
 - A number of Districts are using older DG/UX scripts
 - Reduce duplication of efforts
- 



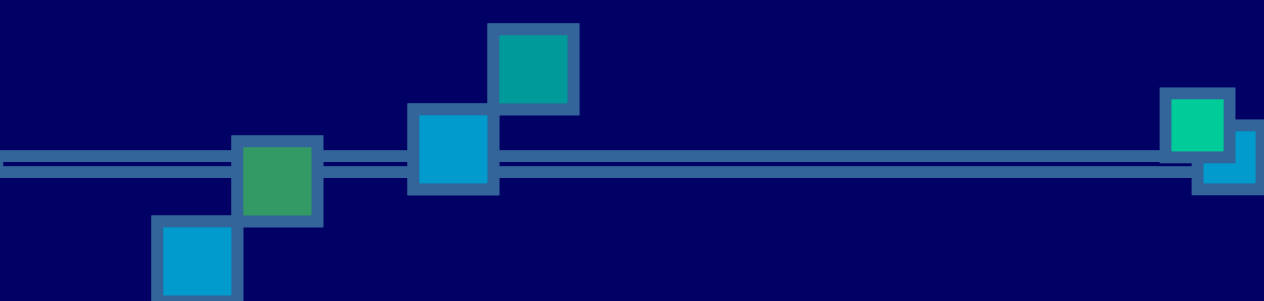
Questions for ITAC...

- Should NatWeb support Dial-Up sites?
 - Can this concept be expanded to meet needs of all Districts?
 - Should DIS support "NWIS Dialer"?
 - Can it technically be integrated into existing NatWeb system?
- 

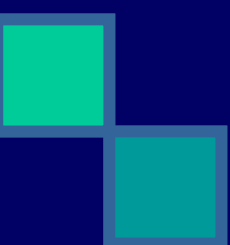
How does it work?



The screenshot shows the 'USGS' logo and 'Maryland, Delaware, D.C.' at the top. Below it, 'Internal Access Only' is written in red. The main title is 'NWIS Dialer WEB Configuration'. The current username is 'gage', with links for 'Main Menu', 'Help', and 'Logout'. The interface is divided into two sections: 'Sites' and 'Groups'. The 'Sites' section has three rows, each with a dropdown menu showing '01477800 - Shellpot Creek at Wilmington' and buttons for 'Display Site', 'New Site', 'Modify Site', and 'Delete Site'. The 'Groups' section has two rows, each with a dropdown menu showing 'md-disabled' and buttons for 'Display Group' and 'New Group'.



What runs where?



Sun server

- Python scripts dial out and pull data
 - Crontab entry automates download
 - Houses config database (MySQL)
 - SATIN sees downloaded data and imports it to NWIS
- 

W2K server

- Web interface
- Interacts with Python Scripts via SQL queries

NWIS Dialer WEB Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://vs03dmdtws.er.usgs.gov/usgs/computer/dialer/mainmenu.asp> Go Links

Google Search Web Search Site Page Info Up Highlight

USGS Maryland, Delaware, D.C.
Internal Access Only

NWIS Dialer WEB Configuration

Current Username: gage [Main Menu | Help | Logout]

	Sites
	Site: [01477800 - Shellpot Creek at Wilmington] Display Site
	Site ID: [] New Site
	Site: [01477800 - Shellpot Creek at Wilmington] Modify Site
	Site: [01477800 - Shellpot Creek at Wilmington] Delete Site

	Groups
	Group Name: [md-disabled] Display Group
	Group Name: [] New Group
	Group Name: [md-disabled] Delete Group

	Modems
	Modem Name: [md-sun4-modem1] Display Modem
	Modem Name: [] New Modem
	Modem Name: [md-sun4-modem1] Delete Modem

	Configuration Options
	Configuration Name: [md-sun4-1] Display Configuration
	Configuration Name: [] New Configuration
	Configuration Name: [md-sun4-1] Delete Configuration

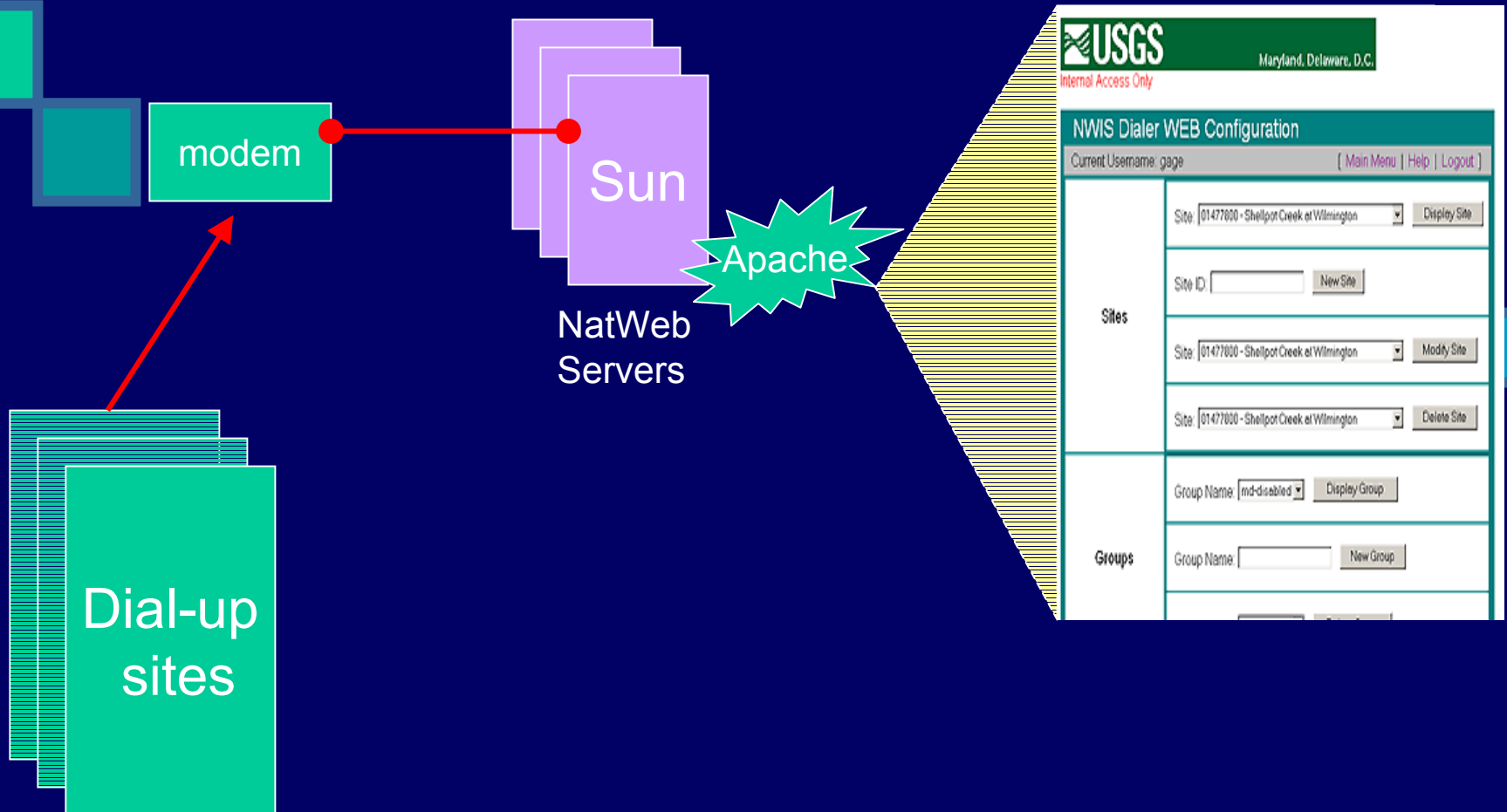
Done Internet

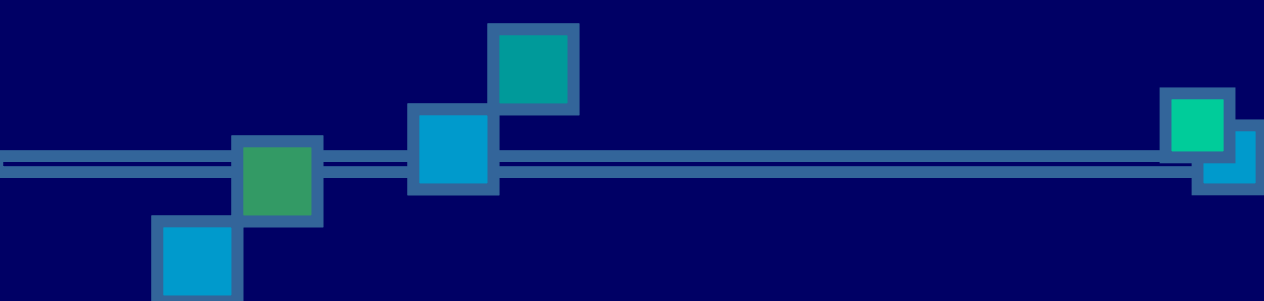
Web Interface

Districts/Projects can:

- Setup individual sites
 - Phone #
 - Equip used at site
- Define group of sites
- Define equip. specs.
 - Modem
 - Handar 550A/B
 - Sutron 8200/8210

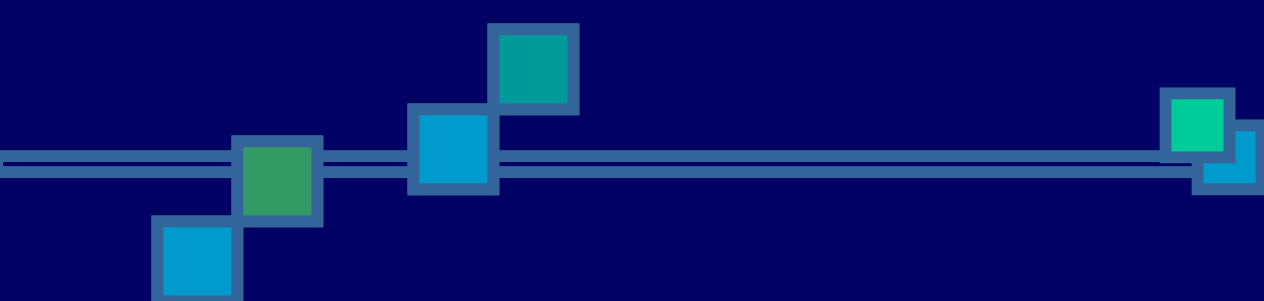
Integrating with NatWeb





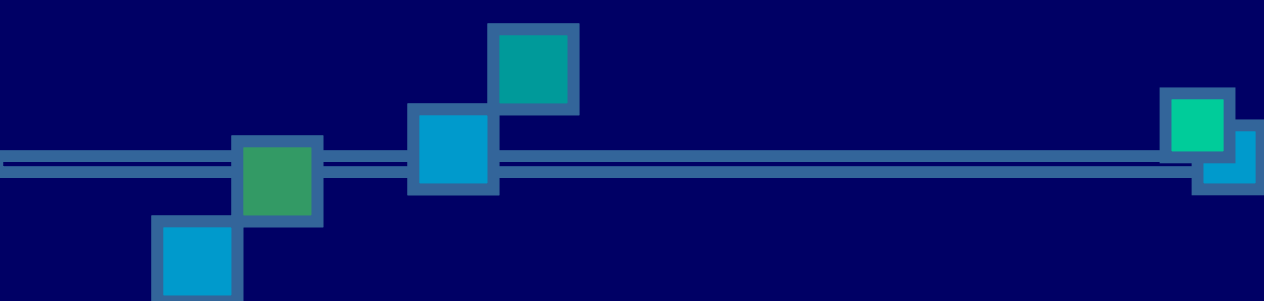
Intergration

- Central config database would be on NatWeb servers
 - Districts would get config info from NatWeb servers and run python scripts locally on NWIS server.
 - Incase of emergency a cron entry would be added to NatWeb server to begin dial-up for a District.
- 



BIG Questions...

- Will SATIN need to run on NatWeb servers?
 - Can SATIN on NatWeb server pickup data and import it to NWIS for multiple sites?
 - How else can this data be processed so that it can be displayed as real-time?
 - How to keep one office from editing another offices site list etc. (security/access)
- 



Future plans for NWIS Dialer

- Migrate to Apaches server instead of IIS
 - Allow users to schedule dial-up using web interface instead of making cron entries
 - Support Sutron 8400, Design Analysis H350XL, CR10 and others as needed
- 