



Managed DNSSEC Validation

February 2010

DNSSEC Validation Challenges

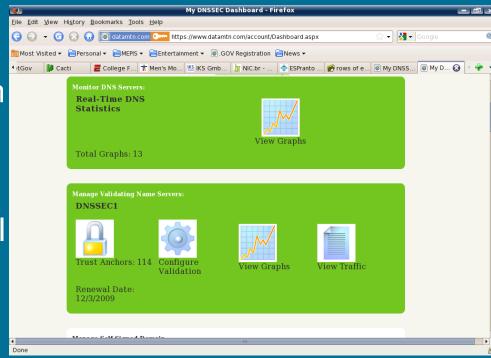
- Trusted Key Selection and Rotation (daily)
- 27,000+ (4,300+) signed zones now, growing to 27,000,000
- Monitor server use and validation failures
- Internal and External DNSSEC Configuration





DMS – Managed DNSSEC Validation

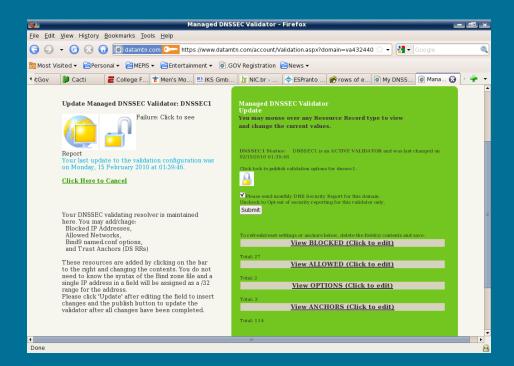
- Hosted Validators using latest Bind9 engine
- Hardened SecureMepis HVT OS (virtual machine on Cloud Computing)
- DMS Cloud Operations Centers across USA
- Web App for Agency control
- \$45/validator/month
- GSA Schedule (credit card purchase)





Managed Validation Control

- Test Trusted Keys
- Block unwanted networks
- Allow internal and/or external nets
- No Training required
- < 1 hour Automated Deployment

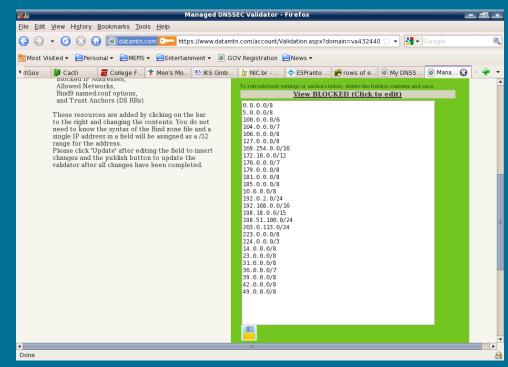




DMS Managed Validation

MV – Blocked Networks

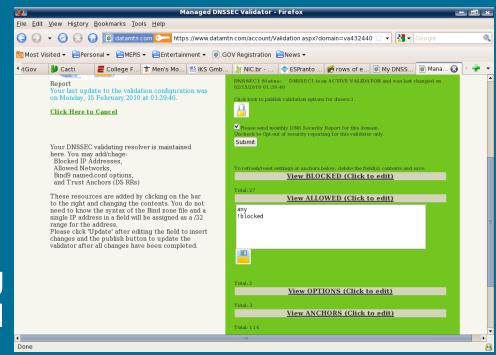
- Defaults to best practices/FISMA compliance
- Dynamically update and release with single click
- SSL Web connection to Admin Console





MV – Allowed Networks

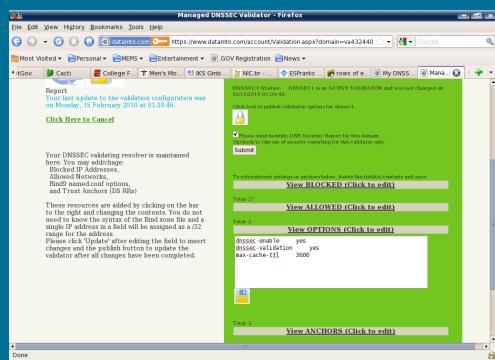
- Set allowed IPs and IP ranges for validation
- Can use Agency legacy DNS servers as Forwarders
- All traffic and queries are logged and graphed
- Monthly Security Reporting for FISMA CMP is included





MV – Bind9 Options

- Enable/Disable DNSSEC for testing/deployment and emergency purposes
- Immediately publish and reload options with a single click
- Automated Admin Email notification of changes to DNS Security Options





MV – Trusted Key Management

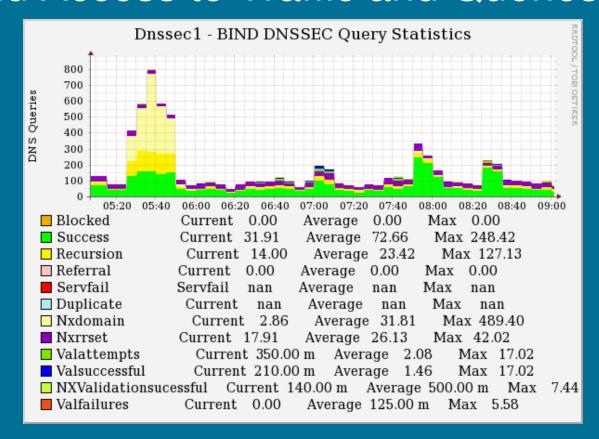
- DMS cleans and corrects broken islands
- Update to latest keysets with a single click
- Add or remove keysets desired for your organization
- 27,000 domains under DNSSEC and growing





MV – Real-Time Monitoring

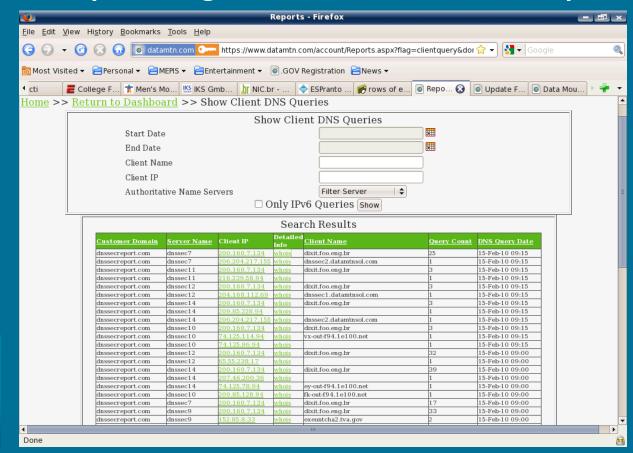
- Real-time Monitor/Graphing of DNS Activity
- Private Cloud Access to Traffic and Queries





MV – Query Details

- Private Capture/Archive of DNS Activity
- Single-click Reporting and Raw Data Export

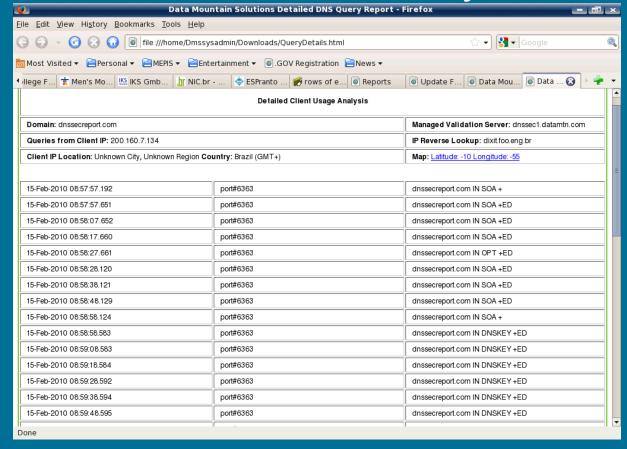




MV – Query Details (more)

Detailed Port/Query analysis from Client IPs

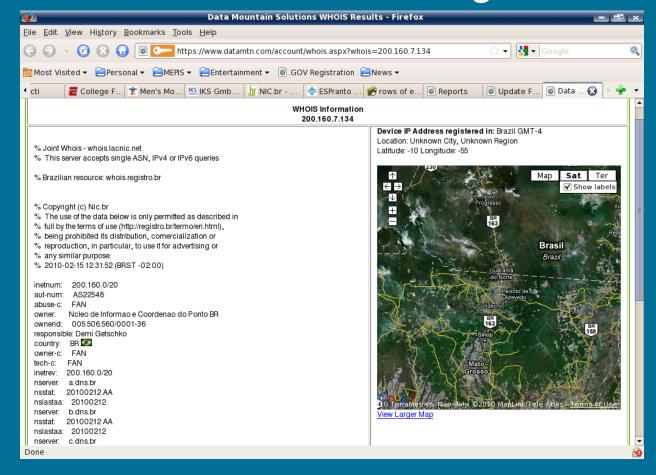
Integrate data into Blocked IP/IDS system





MV – WHOIS Details

- Immediate mapping/lookup of DNS sources
- International crossref into ICANN regions





DNSSEC Bundles

- (1) Managed Validation + Full Service = \$120/month (addl Auth domains = \$75/mo)
- (2) Managed Validation + Full Service = \$165/month (addl Auth domains = \$75/mo)

 US GOV DNSSEC and FISMA DNS Compliance in less than 1 hour!

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➤➤ Data

Mountain

Solutions,
Inc.
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