



Technical Area Report

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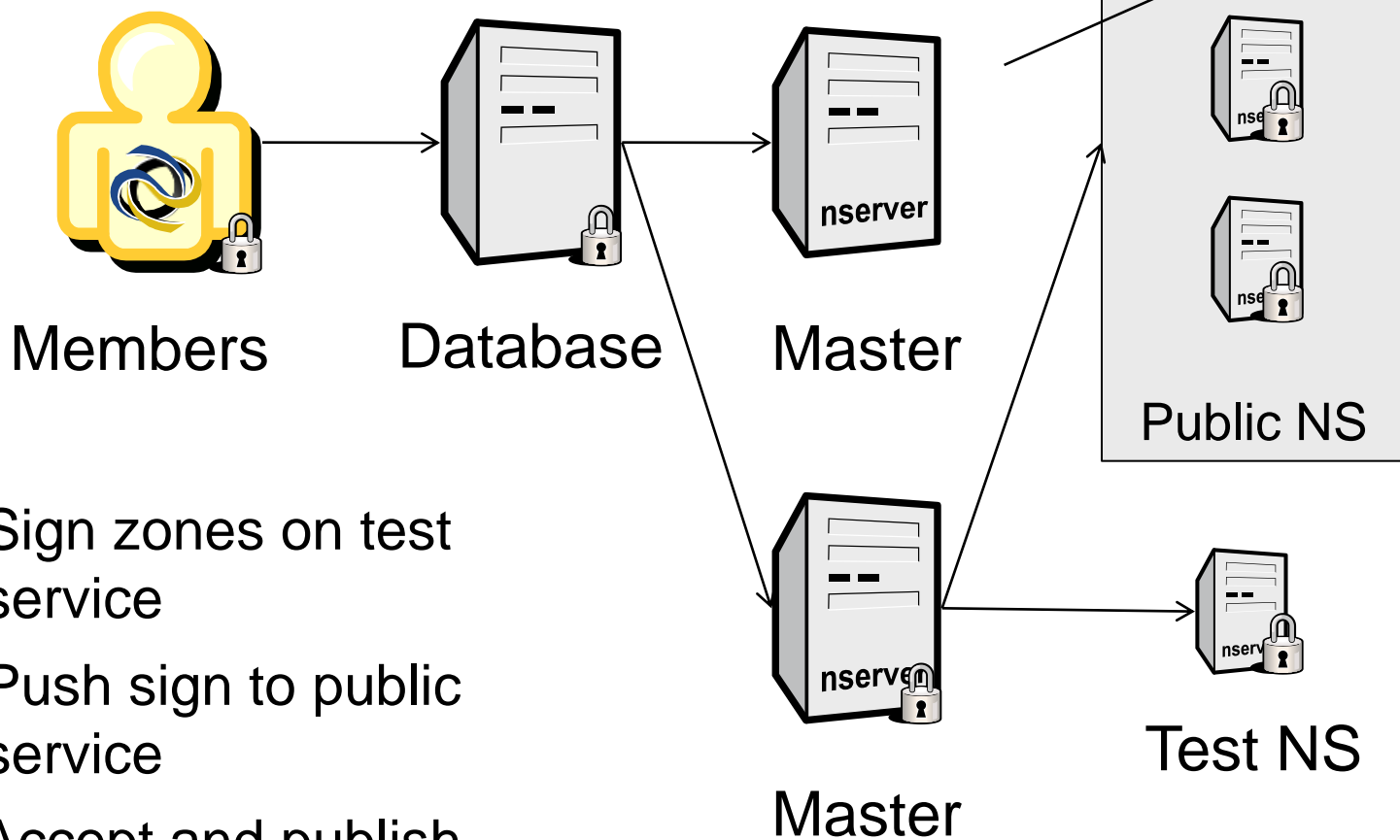
Top 10 Resource Allocation

1. **Research and development activities (for example: network monitoring and measuring, routability testing)**
2. Support network engineering education in the Asia Pacific region
3. Support of IPv6 deployment
4. Expand training activities in scope, geographical coverage and online options
5. Increase the support of the community's efforts to adopt IPv6
6. Streamline resource requests and allocation processes
7. Further development of resource certification to support better routing security
8. **Expand network monitoring, reporting**
9. **Develop web services for automated data exchange with external systems**
10. Deploy more DNS root servers in the Asia Pacific region

Research and Development

1. **Research and development activities (for example: network monitoring and measuring, routability testing)**
 - RPKI
 - Working with RIRs to produce global system in line with NRO and IAB statements
 - Will be committing to the NRO deadline of 1 Jan 2011 for a global RPKI system
 - DNSSEC Phase 1 roll out

DNSSEC



1. Sign zones on test service
2. Push sign to public service
3. Accept and publish Member DS

DNSSEC - Phase 1 Implementation

- APNIC is deploying DNSSEC in a three-phase plan
- Currently executing ***Phase 1.***
- Interested parties can now access and trial DNSSEC with new test platform
- testns.apnic.net
- Members who wish to participate in trial contact noc@apnic.net

Network Monitoring

8. Expand network monitoring, reporting

- 'Day In the Life of the Internet' Project (DITL)
 - Involvement and support in April 2010
 - To coincide with DNSSEC Phase 2 roll out so we can capture statistic on this roll out
- Research Findings: DNSSEC
 - DNS system behaviors during transition to DNSSEC

Automated Data Exchange

9. Develop web services for automated data exchange with external systems

- Extending to support DNSSEC information transfer from Members
- Update ERX snippets exchange system to support DNSSEC
- In discussion with IANA, about using an automated data exchange for in-addr.arpa

High Availability Project

- Improvements to service availability monitoring
- Disaster recovery planning (as part of BCP Project)
- Network Resilience Engineering
- Adding extra co-location facility to the APNIC network

Other Highlights

IPv6 Deployment: Leading by Example

- IPv6 implementation at APNIC in key services
 - MyAPNIC
 - Whois queries
 - IPv6 ICONS wiki
 - DNS servers
 - www.apnic.net server
 - Email servers
 - FTP servers
 - Online chat

Operational Planning in 2010

- DNSSEC deployment Phases 1- 3
- Continuing work on RPKI project in line with global NRO road map



Thank You

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