

DNS/DNSSEC Workshop

Welcome!

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Topics

- DNS concepts
- BIND (DNS server) and Resolver (DNS client) configurations
- Setting up domains
- DNS debugging tools, troubleshooting, and techniques
- Reverse DNS
- RNDG
- Access control lists
- Split DNS
- TSIG
- Secured dynamic updates
- DNS security extensions (DNSSEC)
- DNS and IPv6



Goal of this workshop

- Give you tips, tools and techniques to deploy and operate a more reliable and robust DNS infrastructure
- Learn about common problems that DNS operators run into, and how to solve them
- Learn about the DNSSEC security extensions, and how to deploy them
- To meet each other and share knowledge amongst ourselves
- Answer your questions as we go along!



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Introductions

Name	Organisation
Andy Linton	NSRC
Champika Wijayatunga	ICANN
Yoshiaki Kasahara	Kyushu University
Steve Conte	ICANN



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Daily time schedule

Session 1	09:00-10:30
Break	10:30-11:00
Session 2	11:00-13:30
Lunch	12:30-14:00
Session 3	14:00-16:00
Break	16:00-16:30
Session 4	16:30-17:30



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Class website

- Diagrams, presentations, schedules, photos, machine information and much will be available on:
 - <http://web.nsrc.org/workshops/2015/apricot2015/wiki/Track2DNS>
- Other info at:
 - <http://noc.ws.nsrc.org>
- Passwords will be given in class.



Classroom details

- You are all system administrators.
- You are in charge of your servers
- To make our lives easier please consider:
 - Not changing your root or adm user passwords during the week.
 - Not reconfiguring other attendees' machines...
 - Practice using the sudo command instead of working as root.
- This is a virtual environment!



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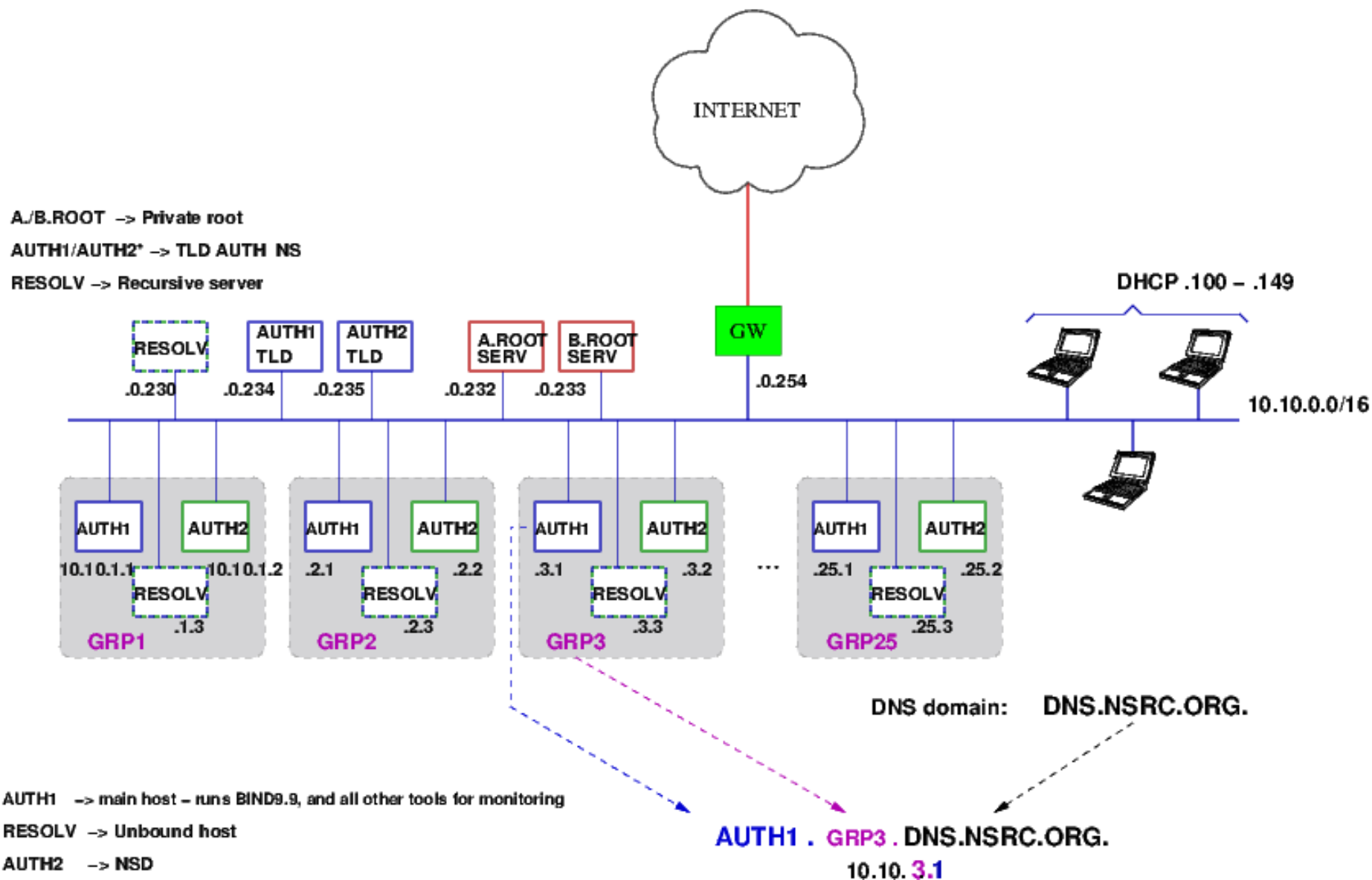
DNS – DNSSEC Workshop: NETWORK LAYOUT

login: **sysadm**

pass: ***given in class***

WiFi SSID: **NSRC5-DNS or NSRC24-DNS**

WiFi pass: **8888888888**



A few conventions...

- In the exercises:
 - If you see a “\$” then execute the command as a regular user (adm user).
 - If you see a “#” then you should use sudo to execute the command as the root user. You do not need to use sudo if you already are root!
 - There will be a (very, very) few typos. Be on the lookout and let us know!
 - Some exercises do not give you all the steps! This is on purpose to let you apply newly found skills



Questions?

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Class introductions

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