



Domain Name System (DNS) Attack Demonstration

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Domain Name System Background

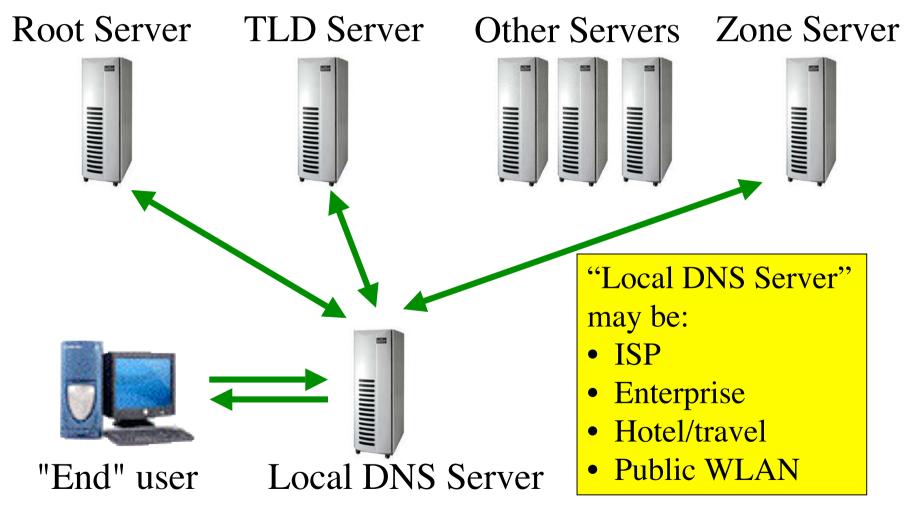
- Essentially all Internet users use the DNS
- Most people trust the DNS
 - They expect to be connected to the site they enter into their application
 - e.g. when entering www.dnssec-deployment.org, they expect to go directly to www. dnssec-deployment.org
 - Unfortunately, this is not always the case
 - DNS attacks provide basis for attacking applications
- Demonstration is only one type of attack based on DNS

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DNS Name Resolution



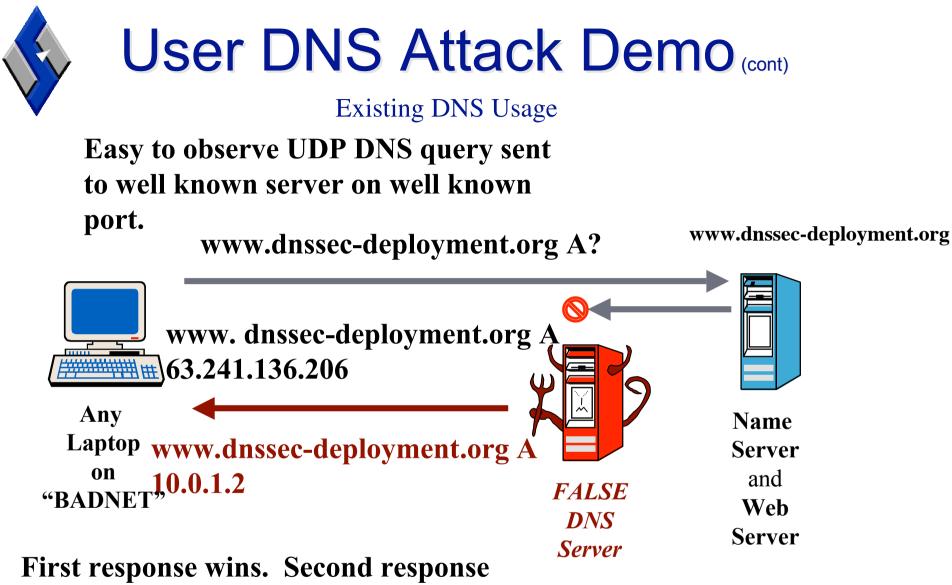
mundy@sparta.com www.dnssec-deployment.org www.dnssec-tools.org



Existing DNS Usage

Easy to observe UDP DNS query sent to well known server on well known port. www.dnssec-deployment.org www.dnssec-deployment.org A? www. dnssec-deployment.org A **63.241.136.206** Any Name Laptop Server on and "BADNET" Web Server





is silently dropped on the floor.



QUESTIONS????

Questions, comments and other feedback can be sent to mundy@sparta.com