Designing a Small Registries' ToolKit

Internet Conference 1999 at Pacifoco Yokohama

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<u>Agenda</u>

Network Administration

Network Resources

Registry Services

Administrators at Work

Tools for Administrators

Toolkit Framework

Agenda

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Network Administration

machine installation address assignment domain name registration application installation user education name server management trouble shooting power management etcetra etcetra

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Network Resources

IP address
AS # (Autonomous System Number)
domain name
routing information
etc

Related Information administrator information etc

<u>Agenda</u>

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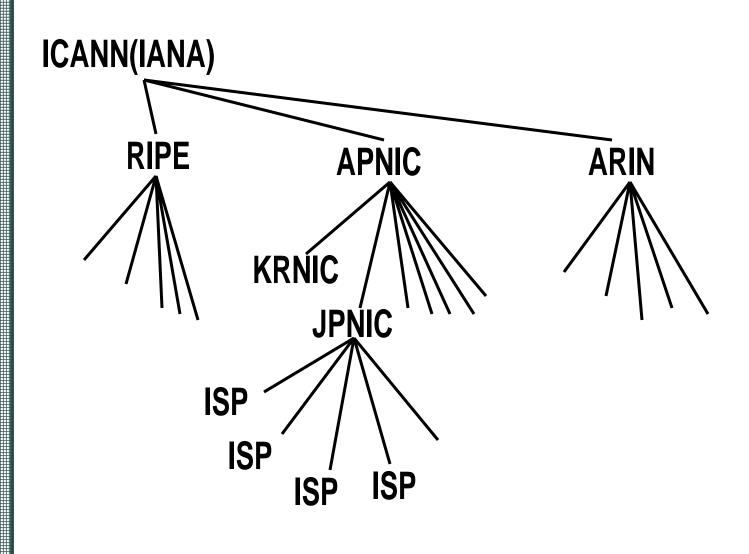
Registry Services

..... resource usage tracking

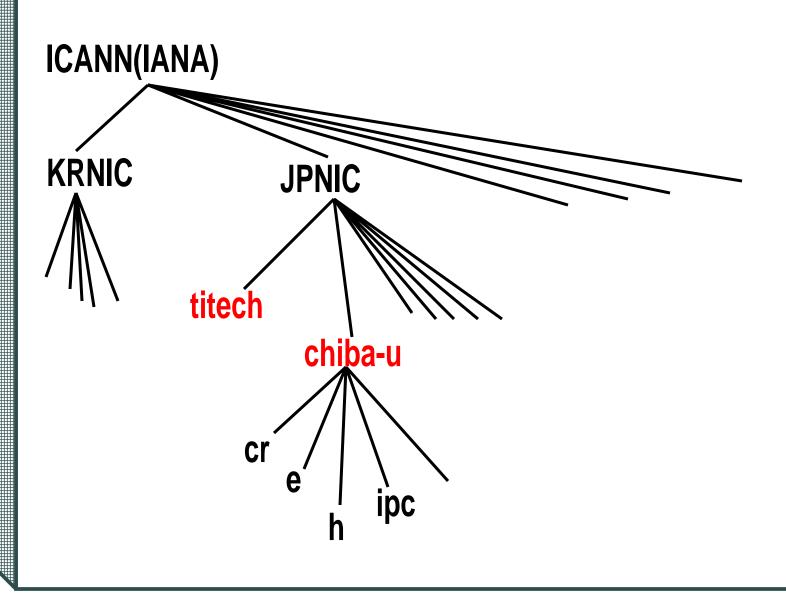
address (allocation, assignment, delegation)
ASN (assignment)
DNS (registration, delegation)
routing information

..........

IPaddress administration



DNS administration



Registries' Database

Network

Domain Names

Administrators

Hosts

Routing Information

etc.....

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Administrators at Work

getting address block from ISP (or registry)
registration of domain names to registry
setup name servers
registration of NS to registry's database
updating any entries of the registry's database

assignment of addresses registration of subdomains delegation of subdomain administration maintenance of backbone routers etc

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assistance tools for nework administrators updating entries on registry's database building a database for internal information publishing resource usage (DNS, whois,)

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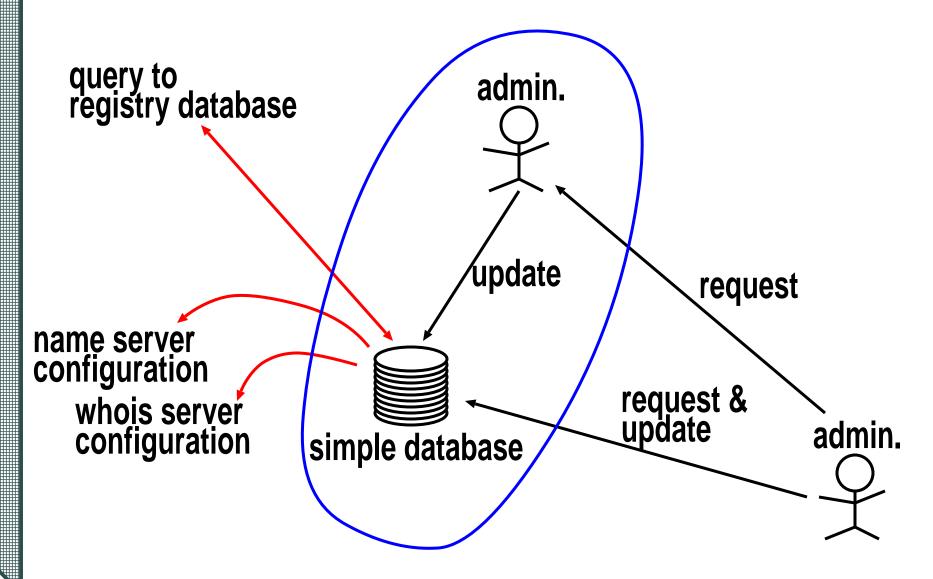
Registry Services

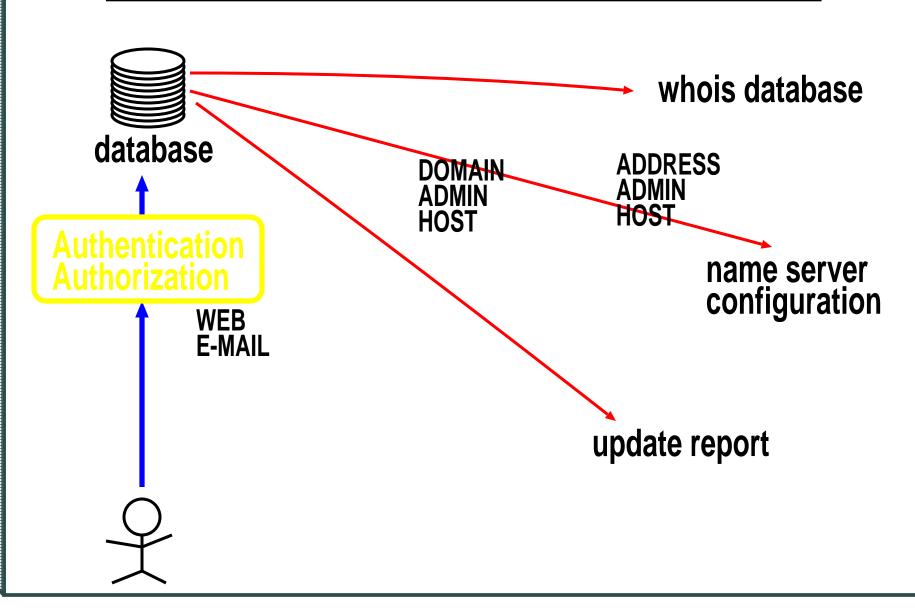
Administrators at Work

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Maintenance of Database

automation as much as possible name server, whois server config file generation, etc

exploring user driven updating mechanism PGP, S/MIME, etc.....

Maintenance of Database



plain text files as a database

easy to read easy to transfer easy to prepare test data

shell scripts as a toolset

easy to understand easy to transfer it's only a prototype (-:

Title Here

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