
IP Mobility Architecture Framework

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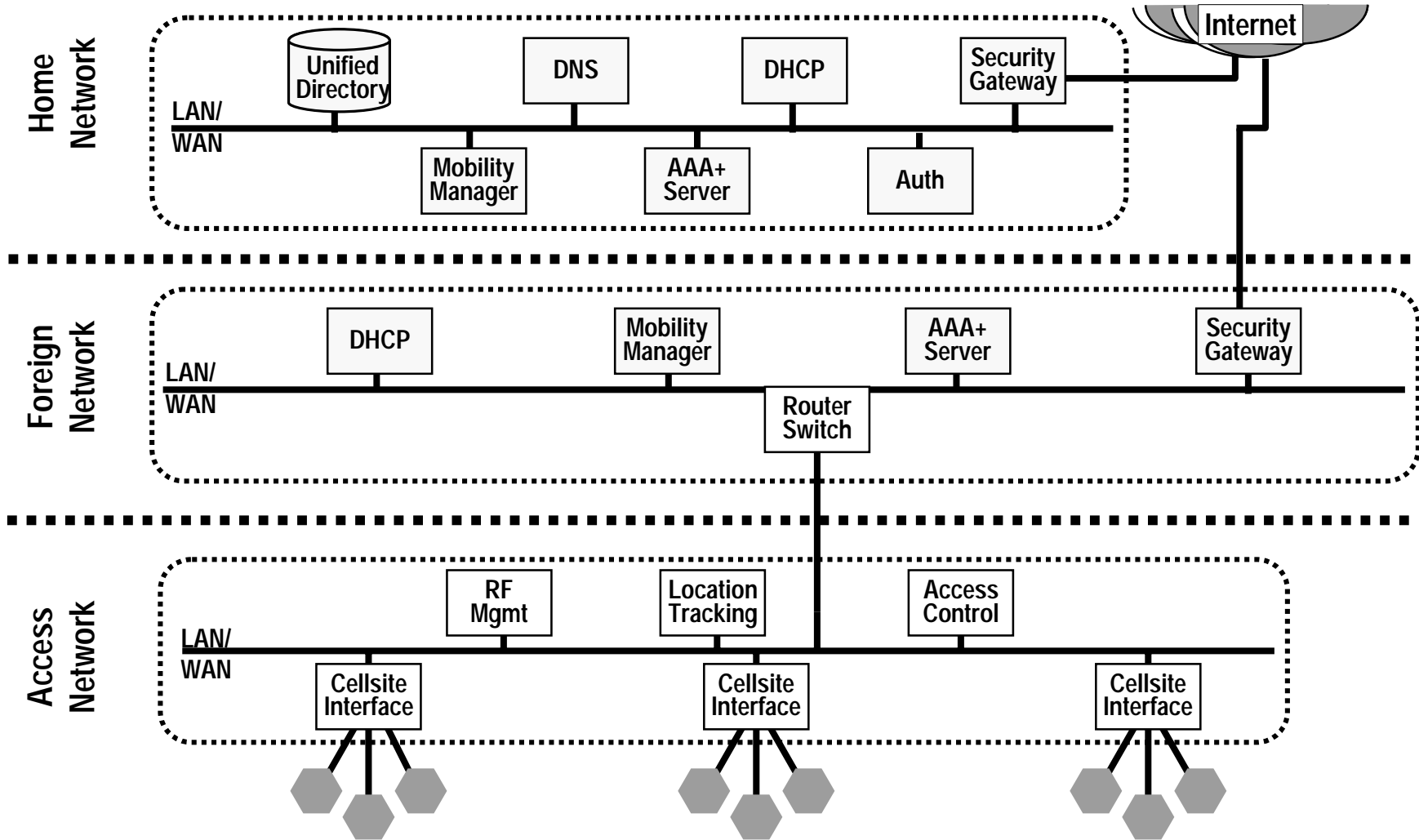
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Architecture Drivers

- The network should allow for seamless roaming between heterogeneous wireless and wireline networks.
- The network infrastructure should be access independent.
- Mobility needs to be based on the users, not the device used by the user.
- A roaming user should only need a single subscription to access a home network.
- The network should support the removal of triangle routes within the network.
- Service providers would like to deploy the same network infrastructure in both their wireline and wireless networks.

Architecture Components



Architecture Advantages

- A user may have a single subscription with a home network that allows for roaming within all foreign networks that have service level agreements with the home network.
- Mobility is based on the user, not the device used by the user.
- A single control plane network protocol based on AAA that can be deployed in a provider's network independent of the access network.
- A single security framework based on IPSec and used by the AAA+ server to minimize other security associations and the use of dynamic session keys.
- The ability to alleviate routing anchor points and support for policies that allow the hiding of users by allowing routing anchor points.
- Users to truly roam seamlessly between heterogeneous access networks.