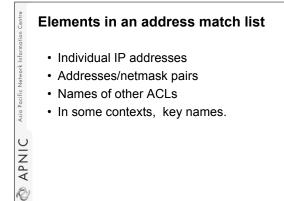
Asia Pacific Network Information Centre	ACLs & Views
🖉 APNIC	



Purposes in BIND

- Restricting queries & zone xfer
- Authorizing dynamic updates
- Selecting interfaces to listen on
- Sorting responses

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*Address match lists are always enclosed in curly braces.

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Notes on Address Match list

- Elements must be separated by "; "
- The list must be terminated with a ";"
- Elements of the address match list are checked sequentially.
- To negate elements of the address match list prepend them with "!"
- Use acl statement to name an address match list.

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• *acl* must be define before it can be used elsewhere.

Example: Address match lists For network 192.168.0.0 255.255.255.0 { 192.168.0.0/24; } For network plus loopback { 192.168.0.0/24; 127.0.0.1; } Addresses plus key name

(192.168.0.0/24; 127.0.0.1; tequila.apnic.net;)

The acl Statement

Syntax:

acl <acl name> { address match list>};

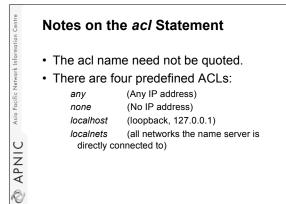
Example:

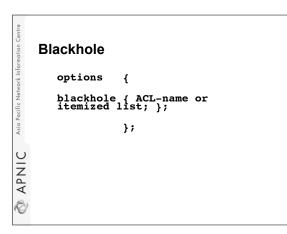
acl internal { 127.0.0.1; 192.168.0/24; }; acl dynamic-update { key dhcp.apnic.net; };

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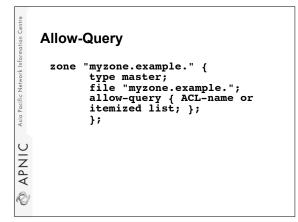
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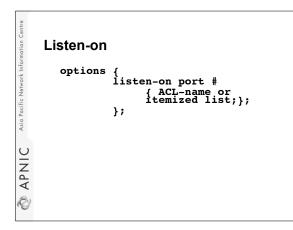


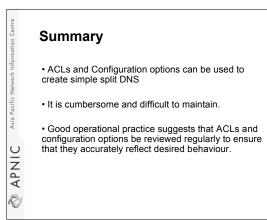


formation Centre	Allow-t	Allow-transfer		
Asia Pacific Network Information	zone or	"myzone.example." { type master; file "myzone.example."; allow-transfer { ACL-name		
		<pre>itemized list; }; };</pre>		
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Views

The view statement is a powerful new feature of BIND 9 that lets a name server answer a DNS query differently depending on who is asking. It is particularly useful for implementing split DNS setups without having to run multiple servers.

Syntax • view view_name [class] { match-clients {address_match_list }; match-destinations {address_match_list }; match-recursive-only yes_or_no; [view_option; ...] [zone_statement; ...] };

DIVIDUATION OF CONFIG Example Config view "internal" { // This should match our internal networks. match-clients { 10.0.0.0/8; }; // Provide recursive service to internal clients only. recursion yes; // Provide a complete view of the example.com zone // including addresses of internal hosts. zone "example.com" { type master; file "example-internal.db"; }; };

