

Objective	TSIG key checking in dns named configuration file
Test Procedure	cat /etc/bind/named.conf
Sample Output	include "/etc/bind/robi_tsig.key";
Original Output	<pre> root@dns0:~# cat /etc/bind/named.conf include "/etc/bind/named.conf.options"; include "/etc/bind/named.conf.local"; #include "/etc/bind/named.conf.default-zones"; #zone transfer key include "/etc/bind/robi_tsig.key"; root@dns0:~# cat /etc/bind/robi_tsig.key key "robi_tsig-key" { algorithm HMAC-MD5; secret "U1fkYr5QELIGBF5hrqt7P6x8tAw9+D5miMq2noOITz2fLN93B1YVr+NY0MxqNc9tdTxQSzbC HpYKG8Ga/qKTYg=="; }; # #Slave server dns1 # server 10.101.11.23 { keys { robi_tsig-key; }; }; # #Slave server dns2 # server 10.101.11.24 { keys { robi_tsig-key; }; }; # #Slave server dns3 # server 10.16.49.58 { keys { robi_tsig-key; }; }; </pre>
Result	pass
Remarks	

Signature BDCOM	
Signature ROBI	

Objective	TSIG key checking in dns zone configuration file
Test Procedure	Cat /etc/bind/named.conf.local
Sample Output	<pre> zone "robi.com.bd" in { type master; file "robi.com.bd.db"; allow-transfer { key robi_tsig-key; }; allow-update { none; }; }; zone "bicl.com.bd" IN { type master; file "sub/bicl.com.bd.db"; allow-transfer { key robi_tsig-key; }; allow-update { none; }; }; zone "robizone.mobi" in { type master; file "sub/robizone.mobi.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "aktel.com" IN { type master; file "sub/aktel.com.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "robibazar.com" IN { type master; file "sub/robibazar.com.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "myaktel.com" IN { type master; file "sub/myaktel.com.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; </pre>

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};  
  
zone "11.101.10.in-addr.arpa" IN {  
    type master;  
    file "10.101.11.db";  
    allow-transfer { key "robi_tsig-key"; };  
    allow-update { none; };  
};  
  
zone "49.16.10.in-addr.arpa" IN {  
    type master;  
    file "10.16.49.db";  
    allow-transfer { key "robi_tsig-key"; };  
    allow-update { none; };  
};  
  
zone "12.134.202.in-addr.arpa" IN {  
    type master;  
    file "202.134.12.db";  
    allow-transfer { key "robi_tsig-key"; };  
    allow-update { none; };  
};  
  
zone "13.134.202.in-addr.arpa" IN {  
    type master;  
    file "202.134.13.db";  
    allow-transfer { key "robi_tsig-key"; };  
    allow-update { none; };  
};  
  
zone "14.134.202.in-addr.arpa" IN {  
    type master;  
    file "202.134.14.db";  
    allow-transfer { key "robi_tsig-key"; };  
    allow-update { none; };  
};  
  
zone "9.134.202.in-addr.arpa" IN {  
    type master;  
    file "202.134.9.db";  
    allow-transfer { key "robi_tsig-key"; };  
    allow-update { none; };  
};  
  
zone "8.134.202.in-addr.arpa" IN {  
    type master;  
    file "202.134.8.db";  
    allow-transfer { key "robi_tsig-key"; };  
};
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	<pre> allow-update { none; }; }; zone "10.134.202.in-addr.arpa" IN { type master; file "202.134.10.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "15.134.202.in-addr.arpa" IN { type master; file "202.134.15.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "23.242.103.in-addr.arpa" IN { type master; file "103.242.23.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "20.242.103.in-addr.arpa" IN { type master; file "103.242.20.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "0.0.127.in-addr.arpa" IN { type master; file "named.local"; allow-update { none; }; }; </pre>
Original Output	<pre> root@dns0:~# cat /etc/bind/named.conf.local // // Do any local configuration here // // Consider adding the 1918 zones here, if they are not used in your // organization //include "/etc/bind/zones.rfc1918"; // Configuration start from Here by BDCOM //view "bangladesh" { // match-clients {bdix; }; </pre>

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// recursion yes;
// notify no;
//};
// prime the server with knowledge of the root servers
zone "." {
    type hint;
    file "/etc/bind/db.root";
};

zone "robi.com.bd" in {
    type master;
    file "robi.com.bd.db";
    allow-transfer { key robi_tsig-key; };
    allow-update { none; };
};

zone "bicl.com.bd" IN {
    type master;
    file "sub/bicl.com.bd.db";
    allow-transfer { key robi_tsig-key; };
    allow-update { none; };
};

zone "robizone.mobi" in {
    type master;
    file "sub/robizone.mobi.db";
    allow-transfer { key "robi_tsig-key"; };
    allow-update { none; };
};

zone "aktel.com" IN {
    type master;
    file "sub/aktel.com.db";
    allow-transfer { key "robi_tsig-key"; };
    allow-update { none; };
};

zone "robibazar.com" IN {
    type master;
    file "sub/robibazar.com.db";
    allow-transfer { key "robi_tsig-key"; };
    allow-update { none; };
};

zone "aktelspice.mobi" IN {
    type master;
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	<pre>file "sub/aktelspice.mobi.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "myaktel.com" IN { type master; file "sub/myaktel.com.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "11.101.10.in-addr.arpa" IN { type master; file "10.101.11.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "49.16.10.in-addr.arpa" IN { type master; file "10.16.49.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "12.134.202.in-addr.arpa" IN { type master; file "202.134.12.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "13.134.202.in-addr.arpa" IN { type master; file "202.134.13.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; }; zone "14.134.202.in-addr.arpa" IN { type master; file "202.134.14.db"; allow-transfer { key "robi_tsig-key"; }; allow-update { none; }; };</pre>
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zone "9.134.202.in-addr.arpa" IN {
    type master;
    file "202.134.9.db";
    allow-transfer { key "robi_tsig-key"; };
    allow-update { none; };
};

zone "8.134.202.in-addr.arpa" IN {
    type master;
    file "202.134.8.db";
    allow-transfer { key "robi_tsig-key"; };
    allow-update { none; };
};

zone "10.134.202.in-addr.arpa" IN {
    type master;
    file "202.134.10.db";
    allow-transfer { key "robi_tsig-key"; };
    allow-update { none; };
};

zone "15.134.202.in-addr.arpa" IN {
    type master;
    file "202.134.15.db";
    allow-transfer { key "robi_tsig-key"; };
    allow-update { none; };
};

zone "23.242.103.in-addr.arpa" IN {
    type master;
    file "103.242.23.db";
    allow-transfer { key "robi_tsig-key"; };
    allow-update { none; };
};

zone "20.242.103.in-addr.arpa" IN {
    type master;
    file "103.242.20.db";
    allow-transfer { key "robi_tsig-key"; };
    allow-update { none; };
};

zone "0.0.127.in-addr.arpa" IN {
    type master;
    file "named.local";
    allow-update { none; };
};
```


	<p>Sep 2 23:34:28 dns0 named[24926]: client 10.101.11.23#49605: received notify for zone 'myaktel.com': TSIG 'robi_tsig-key'</p> <p>Sep 3 00:08:03 dns0 named[24926]: client 10.101.11.23#25247: received notify for zone 'myaktel.com': TSIG 'robi_tsig-key'</p> <p>Sep 3 00:08:03 dns0 named[24926]: client 10.101.11.23#23780: received notify for zone 'robizone.mobi': TSIG 'robi_tsig-key'</p> <p>Sep 3 00:08:04 dns0 named[24926]: client 10.101.11.23#47502: received notify for zone 'bicl.com.bd': TSIG 'robi_tsig-key'</p> <p>Sep 3 00:08:04 dns0 named[24926]: client 10.101.11.23#17019: received notify for zone 'robibazar.com': TSIG 'robi_tsig-key'</p> <p>Sep 3 00:08:04 dns0 named[24926]: client 10.101.11.23#17019: received notify for zone 'aktelspice.mobi': TSIG 'robi_tsig-key'</p> <p>Sep 3 00:08:05 dns0 named[24926]: client 10.101.11.23#13164: received notify for zone 'aktel.com': TSIG 'robi_tsig-key'</p>
Result	pass
Remarks	
Signature BDCOM	
Signature ROBI	