



Forum: CentOS 6 - Networking Support

Topic: [SOLVED] Avahi not "self aware"

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I'm working on a project for a small appliance that might be plugged in on any network and I would like to advertise the location of the web administration panel for the software I'm using over mDNS. I have avahi installed and all seems to be working externally (my Macs on the network see the registered service and can ping the archipliance.local mDNS name). The problem I'm having is that the CentOS system itself doesn't appear to know its own mDNS name. When I ping on the CentOS box itself to archipliance.local, it says no host found.

Obviously this is easy in a non-dhcp world, but since this box may be on any network with any IP range at any given time, I'm not quite sure how to have it fall back onto its .local name when a static IP is not configured and good DNS is not around. I need to have the CentOS system default back to its hostname with the .local extension in absence of good DNS.

Some shell dumps just so you get an idea of what is going on:

```
[root@archipliance ~]# ps aux | grep avahi avahi 1262 0.0 0.0 27880 1836 ? S 04:51
0:00 avahi-daemon: running [archipliance.local] avahi 1263 0.0 0.0 27712 516 ? Ss 04:51
0:00 avahi-daemon: chroot helper root 5991 0.0 0.0 103292 872 pts/0 S+ 13:41 0:00 grep
avahi
[root@archipliance ~]# ping archipliance.local ping: unknown host archipliance.local
[root@archipliance ~]# hostname archipliance
[root@archipliance ~]# ifconfig eth0 Link encap:Ethernet HWaddr 50:E5:49:E8:03:54 inet
addr:192.168.3.100 Bcast:192.168.3.255 Mask:255.255.255.0 inet6 addr:
fe80::52e5:49ff:fee8:354/64 Scope:Link UP BROADCAST RUNNING MULTICAST MTU:1500
Metric:1 RX packets:91112 errors:0 dropped:0 overruns:0 frame:0 TX packets:27852
errors:0 dropped:0 overruns:0 carrier:0 collisions:0 txqueuelen:1000 RX bytes:71441071
(68.1 MiB) TX bytes:4833542 (4.6 MiB) Interrupt:28 Base address:0xe000 lo Link
encap:Local Loopback inet addr:127.0.0.1 Mask:255.0.0.0 inet6 addr: ::1/128
Scope:Host UP LOOPBACK RUNNING MTU:16436 Metric:1 RX packets:12 errors:0
dropped:0 overruns:0 frame:0 TX packets:12 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0 RX bytes:1446 (1.4 KiB) TX bytes:1446 (1.4 KiB)
[root@archipliance ~]# cat /etc/resolv.conf ; generated by /sbin/dhclient-script search copperbell.lan.
nameserver 192.168.3.50 nameserver 192.168.3.51 nameserver 172.16.0.1
```

From my Mac on the same network:

```
[szumlins@octane:~]: ping archipliance.local PING archipliance.local (192.168.3.100): 56 data bytes
64 bytes from 192.168.3.100: icmp_seq=0 ttl=64 time=0.172 ms 64 bytes from 192.168.3.100:
icmp_seq=1 ttl=64 time=0.277 ms
```

Any ideas would be much appreciated.