Presto | Legend - Presto Deployment Guide

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Presto | Overview / Best Practices

1. The following slides guide you from the most basic to the most complex deployments. Presto is capable of supporting nearly any networking configuration so if you don't see it here or have questions. Just ask.

2. Create a **new VM** exclusively for **Presto Primary**. If a new VM is not possible, install on an existing print server/computer.

3. If you have additional print servers, install extenders and connect to Presto Primary. **Presto Extender** uses the same installer as primary. Extender is simply a "mode" of the software and runs as a dependency to the Primary. Extender is universally purposed.

Note: DO NOT install Presto Server on a DNS server / Domain Controller.

- **See Slide 11 if your DNS server is also your Print Server**. In the event your organization has a single all-purpose Print Server / Domain Controller / DNS Server the work-around is to install Presto Primary on most any other host.

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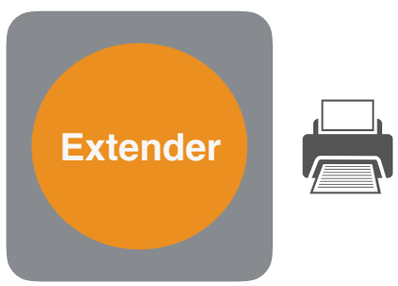
Presto | Step 1 - Printer Discovery

1. Install Presto on a **new VM** for **Presto Primary**. Only one instance of Presto Primary will exist.
    - If a new VM is not possible, install on an existing print server/computer.



2. **Addition Print Servers:** If required, install Presto Extender on any/all additional print servers to discover printers. Extender will discover and report the printers to Presto Server. Connect Extender Host via a Token.



DO NOT install Presto Server on a DNS server / Domain Controller.

- **See Slide 11 if your DNS server is also your Print Server for an easy work-around.**

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Presto | Step 2 - Enable Networking

Site DNS

Add Conditional Forwarding Record to DNS.

1. Select DNS tab in Presto. Add the IP address of the DNS server answer requests from client devices.
2. Copy record. Add forwarding record to DNS server.
3. Proceed to Printers Tab. Select your first printer to advertise. Select Edit and SWIPE to activate.
4. Proceed to Client Configuration.

Pros of uDNS:
uDNS leverages robust DNS infrastructure to advertise printers to clients. uDNS is the preferred method for large multi-subnet environments.

Notes:
Supporting iOS/OS X with uDNS requires additional DNS records per subnet.

No Site DNS (or Single Subnet)

Install Extender on any additional subnet where you support client printing.

1. Install Extender and activate Host via token.
2. Select Host in Presto UI, select Edit, SWIPE and enable “mDNS advertisement”.
3. Proceed to Printers Tab. Select your first printer to advertise. Select Edit and SWIPE to activate.
4. Proceed to Client Configuration.

Pros of mDNS:
mDNS allows a complete plug and play set-up without any DNS changes. mDNS is preferred for basic environments or where it is not possible to manage DNS/DHCP.

Notes:
Only a single Extender is needed per subnet for advertising printers.

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Presto | 3 - Client Configuration

Client	uDNS Networking	mDNS Networking	App Distribution	Links
Chromebook/ Chromebox	App Required	App Required	Managed: G Suite Individual: Chrome Store	Chrome Store Link Client Guide
MacBook/OS X	Add Subnet DNS Records	Plug and Play	N/A	N/A Client Guide
iPhone/iPad (iOS)	Add Subnet DNS Records (App Optional)	Plug and Play (App Optional)	Managed: MDM Individual: Apple Store	Apple Store Link Client Guide
Android	App Required	App Required	Managed: MDM Individual: Google Play	Google Play Client Guide

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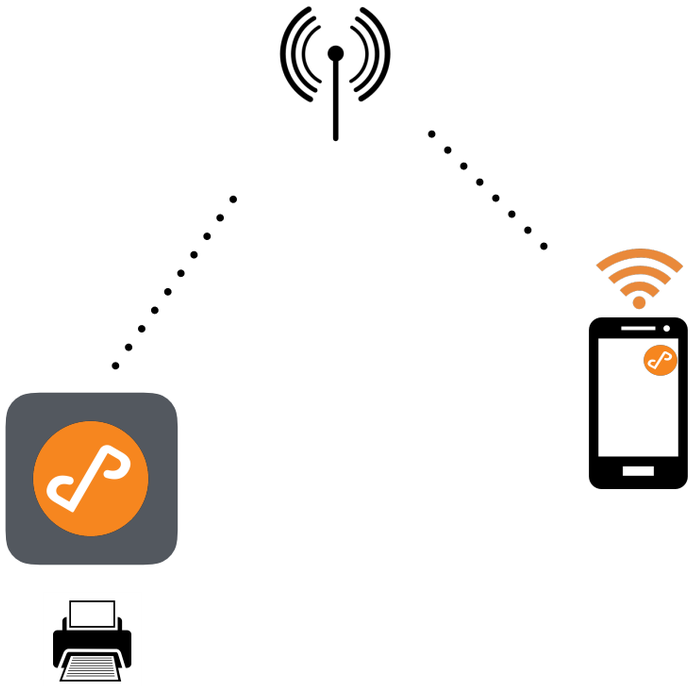
Presto | Basic Install - Minimum Infrastructure/Single Subnet



1 - Install Presto Server on host computer with printers installed.
2 - With flat networks, no additional site configuration required.
3 - Add Extenders if needed to discover additional printers.

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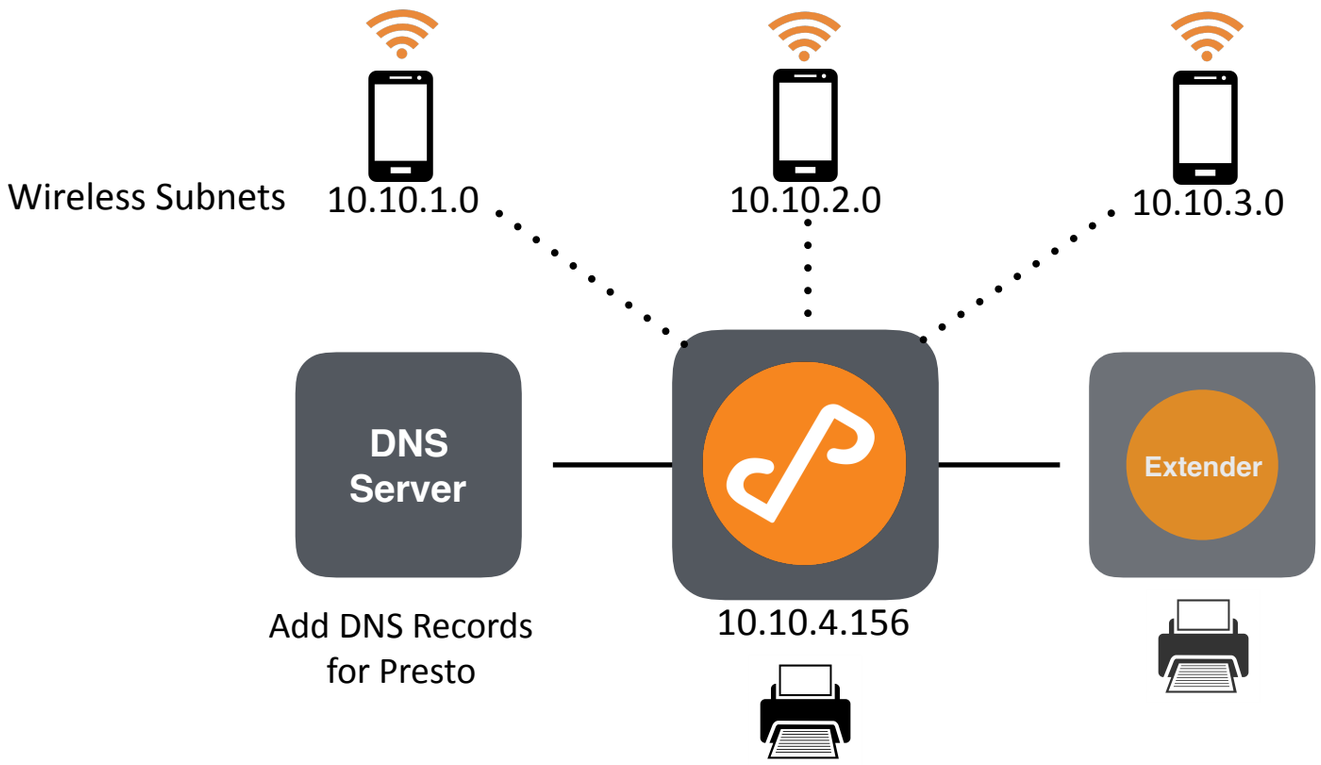
Presto | Option A: Unicast DNS (uDNS)



1 - Presto Server on new VM or print server.
2 - Extender on secondary print server/s as required.
3 - Add DNS records as required.

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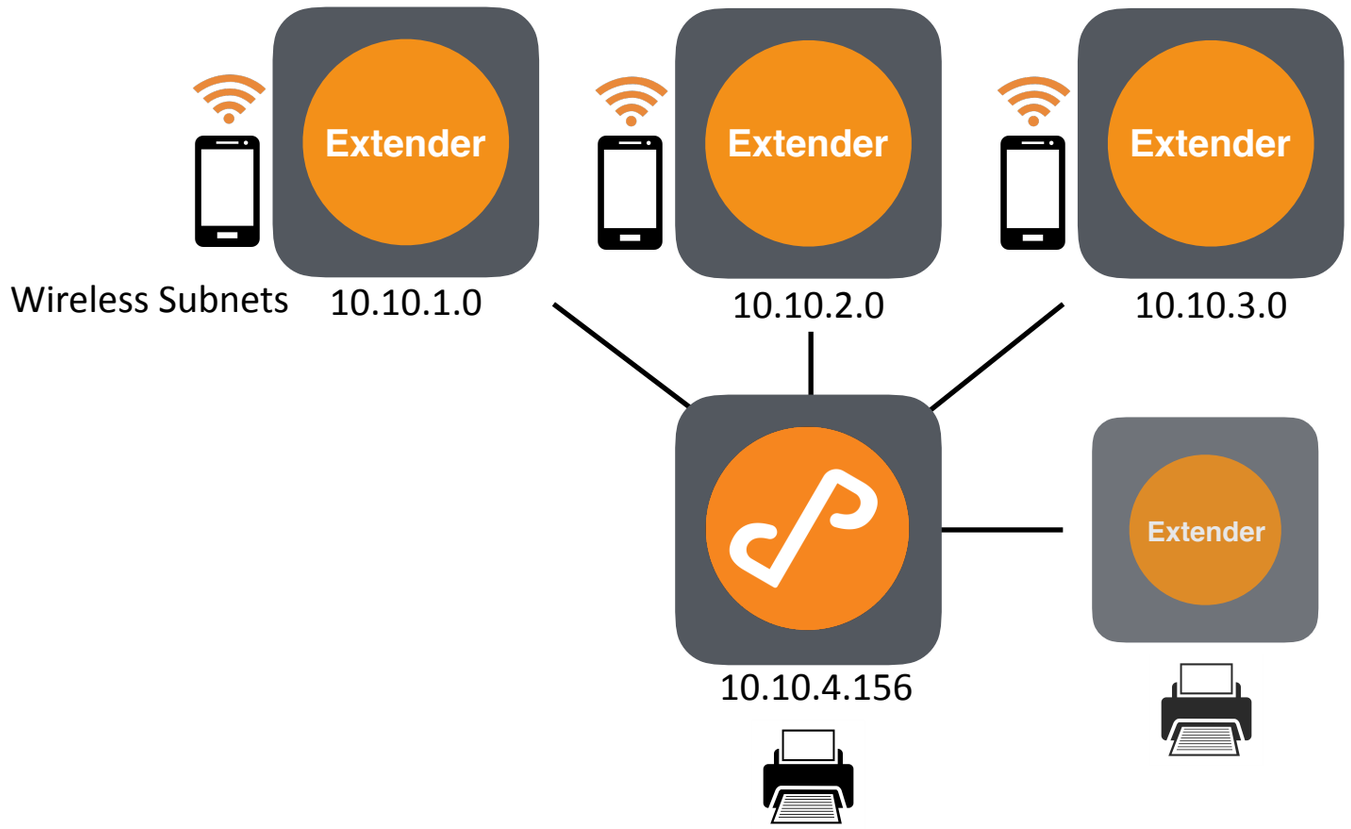
Presto | Option B: Multicast DNS (mDNS)



1 - Presto Primary on new VM or print server.
2 - Extender on secondary print server/s as required.
3 - Extender on Wireless Subnet. Enabled mDSN on Extender Host.

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Presto | Bridging Networks - Example 1

Internal Wired Network

dsforwarder
presto. + 10.10.1.54

DNS Server

Conditional Forwarding

10.10.1.54



External Wireless Network

Dual Homed

Extender

Internal 10.10.1.53
External 192.168.10.11

dsforwarder
presto. + 192.168.10.11

DNS Server

+ RLZ & PTR's as req.



Multiple variants for bridging networks.
Contact Collobos Support - support@collobos.com

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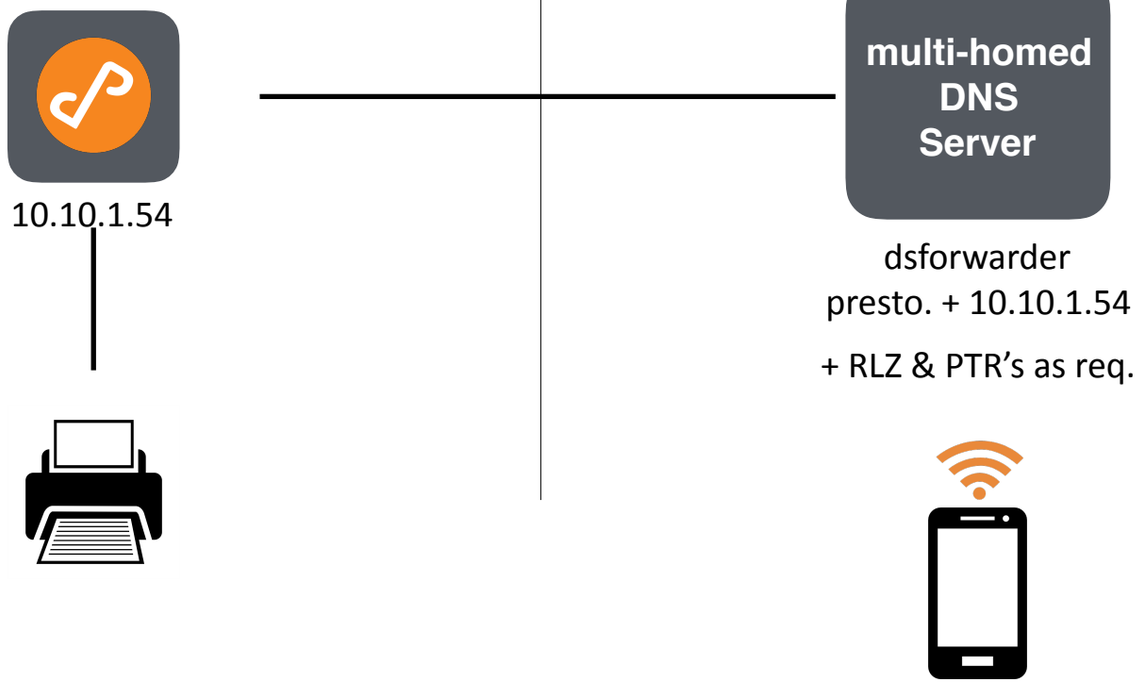
Presto | Bridging Networks - Example 2

Internal Wired Print Server

Repeat for each
Wireless Network



1 - Presto Primary on print server.
2 - Add DNS Records to external primary DNS server

- 1 Conditional Forwarder
- 1 Reverse Lookup+ 2 PTR records for each subnet.

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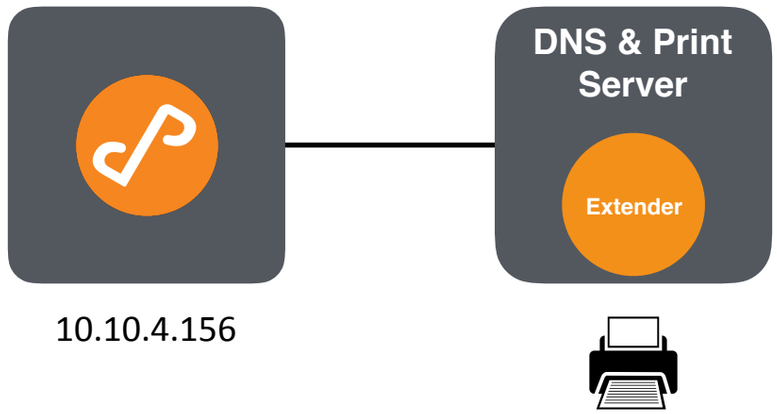
Presto | Print Server is also DNS server.



1 - Install Presto Server on new VM or alternate host. eg: 10.10.4.156
2 - Install Presto **Extender** on the DNS server to discover printers.

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