



calltower



phonism

Steps for Device **Migrations & Onboarding** with Phonism

Phonism by Inlayer simplifies complex device migration processes and onboarding to deliver cost-effective and efficient solutions.


The Challenges in Device Management

With rapid advances in IoT and network technology, organizations are increasingly reliant on connected devices. However, many companies still manage device onboarding and maintenance manually:


A startling statistic shows that only **5%** of the market uses automation. If you're in that **95%** that doesn't, you are paying too much.

83% of organizations spend over 30 minutes per device on manual onboarding, highlighting the need for solutions like Phonism.

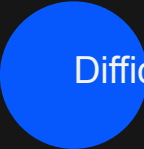
With rapid advances in IoT and network technology, organizations are increasingly reliant on connected devices. However, many companies still manage device onboarding and maintenance manually:




Requires manual intervention with unique skill sets



Multiple tools, human error, inability to meet customer demands



Difficulty meeting emerging security requirements



Limited device choices and platform= compatibility

The Solution: Phonism by Inlayer

Phonism simplifies device migrations and onboarding by introducing automation and scalability. One platform with automation is the key.

Reduce onboarding time and labor costs by 100 times

One automation platform to boost productivity

Meet security demands with Compliance Lock®

Increase device compatibility with low-code API

Key features include:

- ▶ **Supports 320+ Devices:** Phonism supports a vast array of devices, including Cisco, Yealink, Poly, and Avaya, with new additions every week.
- ▶ **Advanced Remote Management:** Enables remote provisioning, updates, and security checks.
- ▶ **Powerful Automation Tools:** Helps reduce human-error, lower costs, and streamline processes.
- ▶ **Zero-Touch Provisioning (ZTP):** Automate device onboarding with minimal manual intervention.
- ▶ **Ring Ready™:** Ensure devices arrive pre-configured and ready to use.
Compliance Lock®: Maintain robust security throughout the migration process.

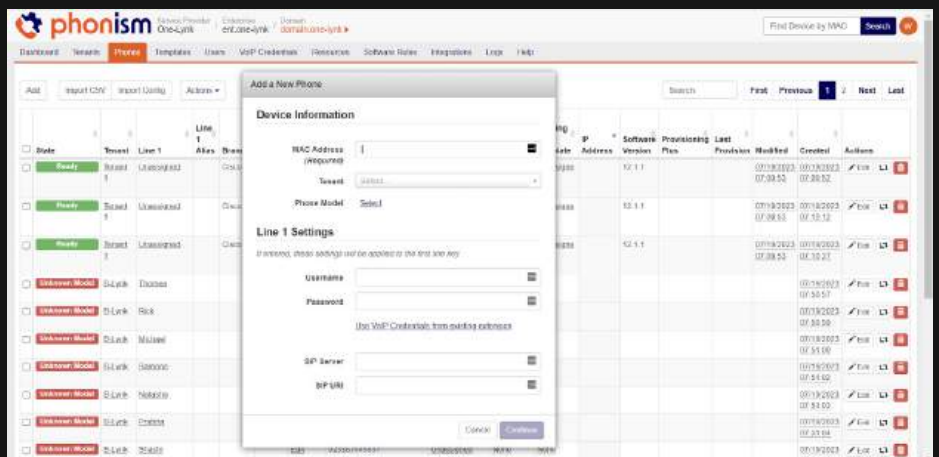
Migrating Existing Devices

Repointing an existing device to Phonism using DHCP Option 66. These simple steps bring existing devices into the Phonism ecosystem.



STEP 1: CREATE DEVICE RECORDS

Upload device MAC addresses in bulk or one-by-one through the Phonism portal or API.



STEP 2:

BOOT UP YOUR DEVICE

Devices boots and gets redirected to Phonism.

STEP 3:

DHCP OPTION

```
<?xml version="1.0" encoding="UTF-8"?>
<polycomConfig>
  <device device.baseProfile="Generic" device.set="1"/>
  <device.auth.device.auth.localAdminPassword= device.auth.localUserPassword=""/>
  <device.auth.localAdminPassword device.auth.localAdminPassword.set="1"/>
  <device.auth.localUserPassword device.auth.localUserPassword.set="0"/>
</device.auth/>
<device.baseProfile device.baseProfile.set="1"/>
<device.feature>
  <device.feature.tr069 device.feature.tr069.enabled="1"/>
  <device.feature.tr069.enabled device.feature.tr069.enabled.set="1"/>
</device.feature.tr069>
<device.feature>
  <device.logincred device.logincred.domain="" device.logincred.extension="" device.logincred.password=""
device.logincred.pin="" device.logincred.user="">
  <device.logincred.domain device.logincred.domain.set="1"/>
  <device.logincred.extension device.logincred.extension.set="1"/>
  <device.logincred.password device.logincred.password.set="1"/>
  <device.logincred.pin device.logincred.pin.set="1"/>
  <device.logincred.user device.logincred.user.set="1"/>
</device.logincred>
<device.prov device.prov.serverName="https://p.phonism.com/rtr" device.prov.tagSerialNo="1" device.prov.upgradeServer="https://p.phonism.com/rtr">
  <device.prov.lyncDeviceUpdateEnabled device.prov.lyncDeviceUpdateEnabled.set="0"/>
  <device.prov.serverName device.prov.serverName.set="1"/>
</device.prov>
</polycomConfig>
```

Device connects with <https://p.phonism.com/m> and downloads configuration that enables TR-069 management, Platform config, and Ring Ready™ Template config.

STEP 4:

DEVICE REBOOTS & APPLIES INITIAL CONFIG

After provision, device connects back into Phonism via TR-069, enabling ability to remotely Factory Reset.

The device will re-provision, which will apply all UCaaS Platform related Ring Ready™ template settings to the device.

TR-069 Commands

Manage Device

Reboot

Factory Reset

STEP 5:

FACTORY RESET

Admin factory resets devices via Phonism portal or API.

STEP 6:

DEVICE BOOTS AND DOWNLOADS CLEAN PHONE CONFIG

Device reboots again, gets option 66 from DHCP and provisions from Phonism. This provisioning will apply all UCaaS Platform related Ring Ready™ template settings to the device.



The screenshot shows a table with columns for device status, name, brand, model, extension, phone number, email, assignment status, public IP, private IP, and various dates. The device is in a 'Ready' state.

| Ready | tsqg8ajcc | Noel | Polycorn | VWX 450 | 405-WxCDemo5 | 482567418296 | ringuyen+WxCDemo5@phonism.com | Unassigned | Public: | 6.4.3.5059 | 11/12/2024 | 11/11/2024 | 10/31/2024 | Edit | 1 |
|------------|-----------|---------|----------|---------|--------------|--------------|-------------------------------|------------|----------------|------------|------------|------------|------------|------|---|
| Registered | | WxC | | | | | (Noel WxCDemo5) | | 173.173.83.162 | | 08:56:51 | 13:39:23 | 09:11:44 | | |
| TR99 | | Demo | | | | | | | Private: | | | | | | |
| RPS | | 5 - | | | | | | | 192.168.1.90 | | | | | | |
| | | (ringu- | | | | | | | | | | | | | |
| | | yen+ | | | | | | | | | | | | | |
| | | WxC | | | | | | | | | | | | | |
| | | Demo | | | | | | | | | | | | | |
| | | 5@ph | | | | | | | | | | | | | |
| | | onism | | | | | | | | | | | | | |
| | | .com) | | | | | | | | | | | | | |

STEP 7:

DEVICE IS LIVE!

The device is fully configured, Ring Ready™, and accessible to end-users for calls and other functions.

Onboarding New Devices

New devices follow similar steps but also offer enhanced setup options to accommodate first-time use and special configurations.

There are two ways to onboard your new devices:

1

Pointing a New Device to Phonism using Zero-Touch Provisioning

Create Device
Records
in Phonism

Device
Boot

Device
Downloads
New Phone
Config

Device
is Live

1

Pointing a New Device to Phonism using DHCP Option 66

Create Device
Records
in Phonism

Device
Boot

DHCP
Option

Device Reboots
and Applied
Initial Config

Device is Live

1

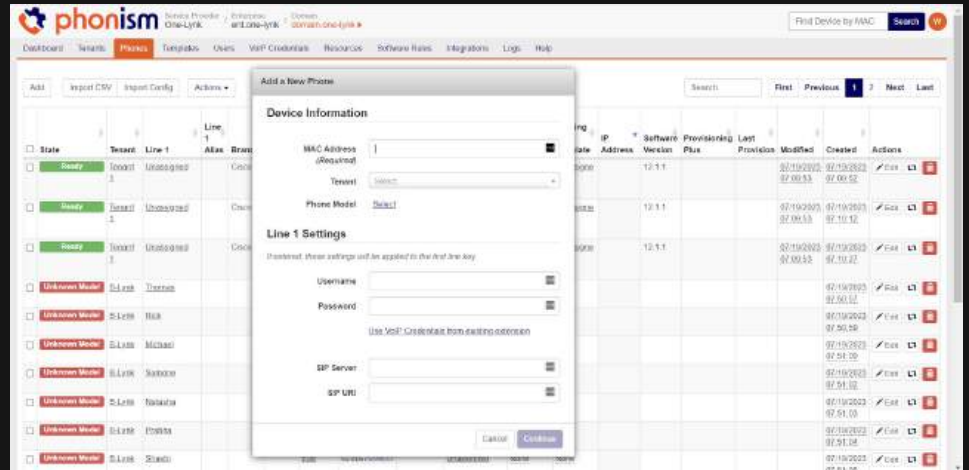
Pointing a new device to Phonism using Zero-Touch ProvisioningZTP

This option involves four simple steps

STEP 1:

CREATE DEVICE RECORDS

Upload device MAC addresses in bulk or one-by-one through the Phonism portal or API.



STEP 2:

BOOT UP YOUR DEVICE

Devices boots and gets redirected to Phonism.

STEP 3:

DEVICE BOOTS AND DOWNLOADS NEW PHONE CONFIG

Device provisions and applies all UCaaS Platform related Ring Ready™ (template) settings to the device.

| State | Name | Line 1 | Area | Brand | IP | Software Version | Provisioning | Last Provision | Modified | Created | Actions | | | |
|-------|-----------|--------|----------|---------|--------------|------------------|------------------------------|----------------|---|------------|---------------------|---------------------|---------------------|------|
| Ready | tsqg8ajoc | Noel | Polycorn | VXX 450 | 405+WxCDemo5 | 482567418296 | nnguyen+WxCDemo5@phonism.com | Unassigned | Public: 173.173.83.162 Private: 192.168.1.90 | 6.4.3.5059 | 11/12/2024 08:56:51 | 11/11/2024 13:39:23 | 10/31/2024 09:11:44 | Edit |

STEP 4:

DEVICE IS LIVE!

The device is fully configured, Ring Ready™, and accessible to end-users for calls and other functions.



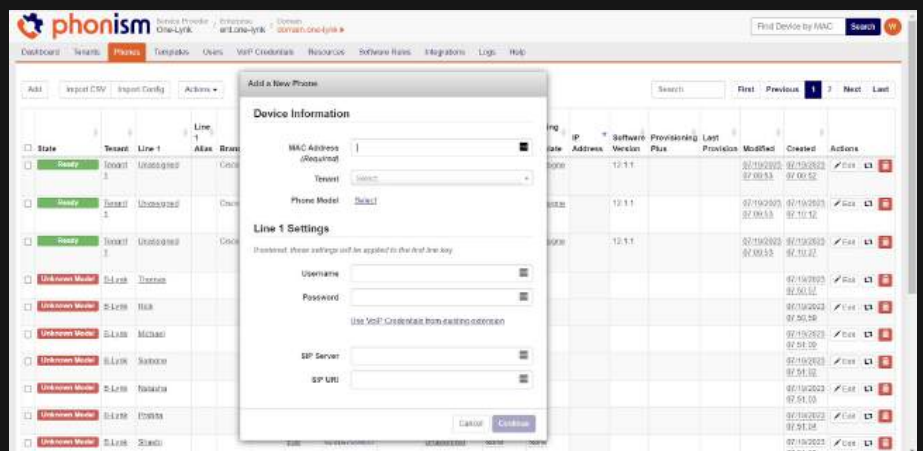
Pointing a new device to Phonism using DHCP Option 66

This option involves five simple steps.

STEP 1:

CREATE DEVICE RECORDS

Upload device MAC addresses in bulk or one-by-one through the Phonism portal or API.



STEP 2:

BOOT UP YOUR DEVICE

Devices boots and gets redirected to Phonism.

STEP 3:

DHCP OPTION

```
<?xml version="1.0" encoding="UTF-8"?>
<polycomConfig>
  <device device_baseProfile="Generic" device_set="1" />
  <device_auth device_auth_localAdminPassword=" " device_auth_localUserPassword=" " />
  <device_auth_localAdminPassword device_auth_localAdminPassword_set="1" />
  <device_auth_localUserPassword device_auth_localUserPassword_set="0" />
  </device_auth />
  <device_baseProfile device_baseProfile_set="1" />
  <device_feature>
    <device_feature_tr069 device_feature_tr069_enabled="1" />
    <device_feature_tr069_enabled device_feature_tr069_enabled_set="1" />
  </device_feature_tr069 />
  <device_feature>
    <device_feature_logined device_logined_domain=" " device_logined_extension=" " device_logined_password=" " />
    <device_logined_pin=" " device_logined_user=" " />
    <device_logined_domain device_logined_domain_set="1" />
    <device_logined_extension device_logined_extension_set="1" />
    <device_logined_password device_logined_password_set="1" />
    <device_logined_pin device_logined_pin_set="1" />
    <device_logined_user device_logined_user_set="1" />
  </device_logined />
  <device_prov device_prov_serverName="https://p.phonism.com/mv" device_prov_tagSerialNo="1" device_prov_upgradeServer="https://p.phonism.com/mv" />
  <device_prov_ymcDeviceUpdateEnabled device_prov_ymcDeviceUpdateEnabled_set="0" />
  <device_prov_serverName device_prov_serverName_set="1" />
</polycomConfig>
```

Device connects with <https://p.phonism.com/m> and downloads configuration that enables TR-069 management, Platform config, and Ring Ready™ Template config.

STEP 4:

DEVICE BOOTS AND DOWNLOADS NEW PHONE CONFIG

Device provisions and applies all UCaaS Platform related Ring Ready™ (template) settings to the device.

| | | | | | | | | | | | | | | | | |
|-------|------------|---|---------|---------|--------------|--------------|--|------------|---|------------|------------------------|------------------------|------------------------|------|--|--|
| Ready | tsqig8sjoc | Noel | Polycom | VXX 450 | 405-WxCDemo5 | 482567418296 | nguyen-WxCDemo5@phonism.com (Noel WxCDemo5) | Unassigned | Public: 173.173.83.162 Private: 192.168.1.90 | 6.4.3.5059 | 11/12/2024 08:56:51 | 11/11/2024 13:39:23 | 10/31/2024 09:11:44 | Edit | | |
| TR069 | Registered | WxC Demo 5 - (ngu yen+ WxC Demo 5@ph onism .com) | | | | | | | | | | | | | | |
| RFB | | | | | | | | | | | | | | | | |

STEP 5:

DEVICE IS LIVE!

The device is fully configured, Ring Ready™, and accessible to end-users for calls and other functions.

What you will Experience with Phonism

Increase device options by up to 5 times

100x reduction in setup time and costs

Labor costs reduced by up to 95%, provision in seconds

Safeguard against security threats and maintain compliance

Ready to transform your device management?

Let's Connect