



# TCP AND UDP PORTS USED BY RCDEVES SOLUTIONS

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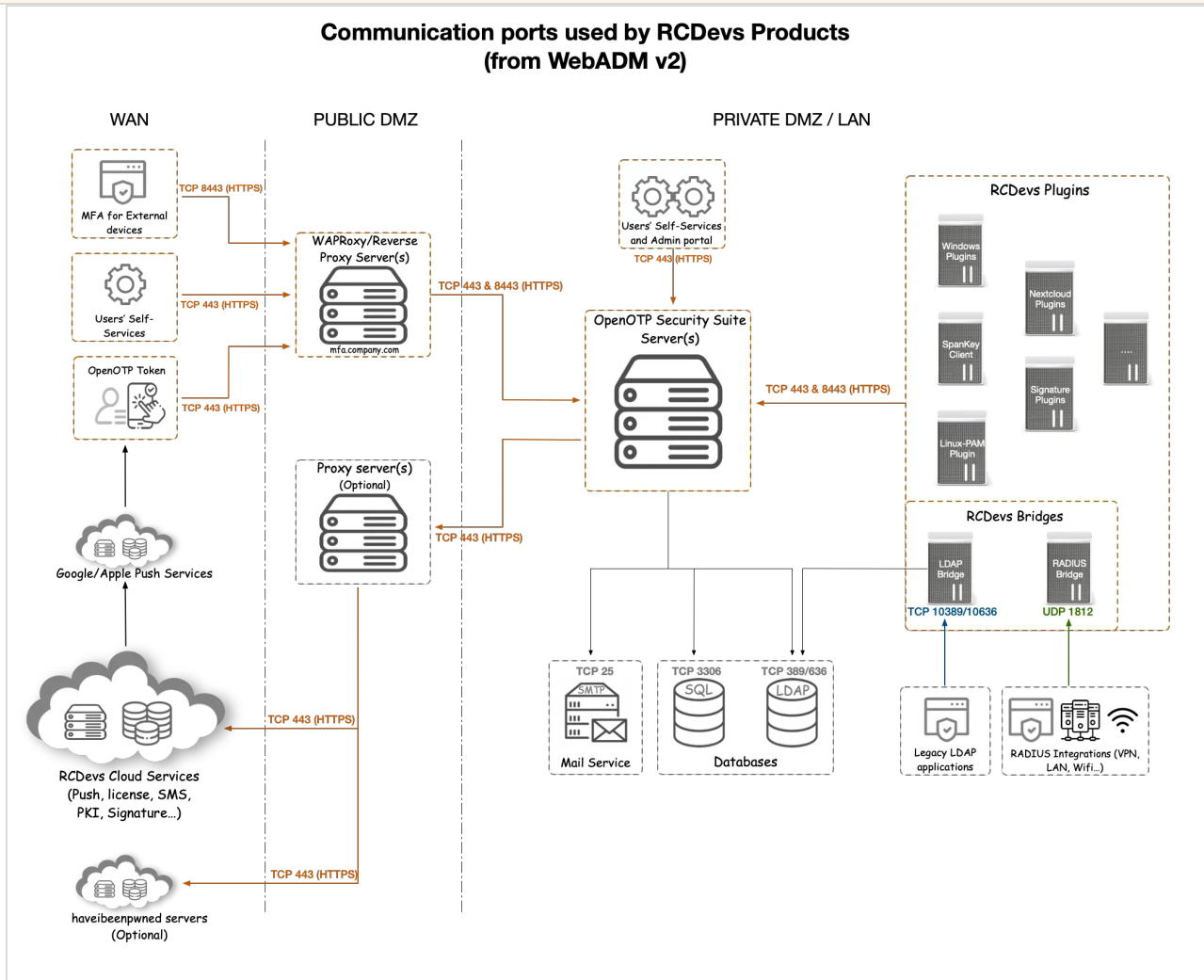
# TCP and UDP Ports used by RCDevs solutions

[TCP](#) [UDP](#) [Traffic](#) [Ports](#) [Firewall](#) [PROTOCOLS](#)

## 1. Overview

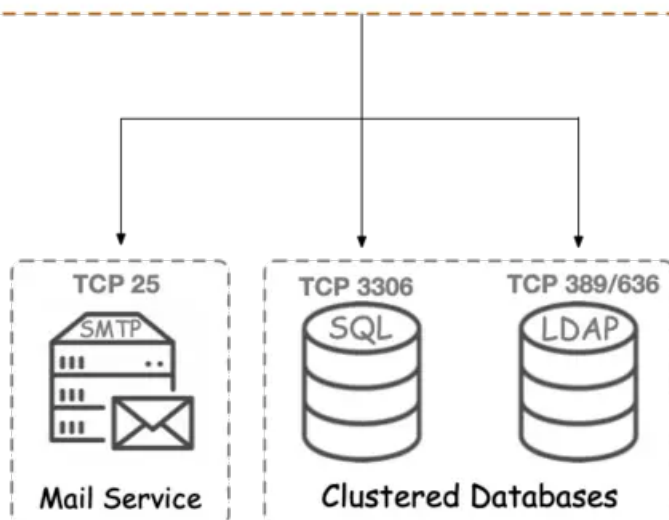
This documentation demonstrates ports and protocols used by RCDevs products between different components.

## 2. Communication Ports used by RCDevs Products

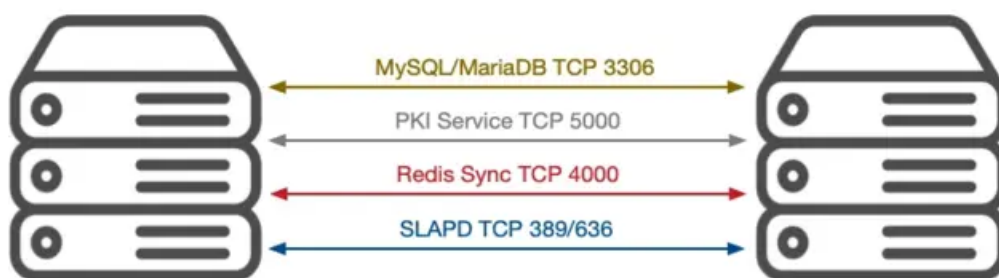


## 3. WebADM Cluster Ports

### OpenOTP Security Suite Cluster with deported LDAP and SQL databases



### OpenOTP Security Suite Cluster including LDAP and SQL databases



At [RCDevs Hardening Guide - 5.5 HA Cluster Firewall Rules](#) is an example of the iptables firewall rules for a high availability cluster with 4 nodes.

## 4. Incoming and Outgoing Traffic per Product

Product	Incoming	Outgoing
WebADM primary node & Web Services	SSH <b>TCP 22</b> , Session Server <b>TCP 4000</b> , SOAP <b>TCP 8443</b> , HTTPS <b>443</b> , HTTP <b>80</b> , PKI <b>TCP 5000</b>	Session Server <b>TCP 4000</b> to WebADM secondary nodes, LDAPS <b>389</b> or <b>636</b> , SQL <b>3306</b> , <b>before v2</b> : Licenses service <b>TCP 7001</b> to license.rcdevs.com, <b>before v2</b> : Push service <b>TCP 7000</b> to push.rcdevs.com, <b>from v2</b> : Cloud services <b>TCP 443</b> to cloud.rcdevs.com, <b>SMTP</b> port to your mail server, TCP <b>5000</b> to WebADM secondary nodes
WebADM secondary nodes & Web Services	SSH <b>TCP 22</b> , Session Server <b>TCP 4000</b> , SOAP <b>TCP 8443</b> , HTTPS <b>443</b> , HTTP <b>80</b> , PKI <b>TCP 5000</b>	Session Server <b>TCP 4000</b> to WebADM Primary node, HTTPS <b>443</b> to WebADM primary node, LDAPS <b>389</b> or <b>636</b> , SQL <b>3306</b> , PKI <b>TCP 5000</b> to WebADM primary node, <b>before v2</b> : Licenses service <b>TCP 7001</b> to license.rcdevs.com, <b>before v2</b> : Push service <b>TCP 7000</b> to push.rcdevs.com, <b>from v2</b> : Cloud services <b>TCP 443</b> to cloud.rcdevs.com, <b>SMTP</b> port to your mail server, TCP <b>5000</b> to WebADM primary node
Radius Bridge	UDP <b>1812</b>	<b>TCP 8443</b> to WebADM, HTTPS <b>443</b> to WebADM primary node, HTTPS <b>443</b> to WebADM secondary nodes
LDAP Bridge	LDAPS <b>389</b> or <b>636</b>	<b>TCP 8443</b> to WebADM(s) <b>389</b> or <b>636</b> to LDAP server(s), HTTPS <b>443</b> to WebADM primary node, HTTPS <b>443</b> to WebADM secondary nodes
WAProxy	HTTPS <b>443</b> , HTTPS <b>8443</b> (only if publish_websrvs is enabled), HTTP <b>80</b> (OCSP)	HTTPS <b>443</b> to WebADM, SOAP <b>TCP 8443</b> to WebADM web services (only if publish_websrvs is enabled), HTTP <b>80</b> to all WebADM nodes
SpanKey Client	SSH <b>TCP 22</b>	SOAP <b>TCP 8443</b> to SpanKey Web Service, HTTPS <b>443</b> to WebADM primary node, HTTPS <b>443</b> to WebADM secondary nodes
Windows Plugins	X	SOAP <b>TCP 8443</b> to OpenOTP Web service,

HTTPS **443** to WebADM primary node,  
HTTPS **443** to WebADM secondary nodes

<b>PAM OpenOTP plugin</b>	UNIX SOCKET	SOAP <b>TCP 8443</b> to OpenOTP Web service, HTTPS <b>443</b> to WebADM primary node, HTTPS <b>443</b> to WebADM secondary nodes
<b>SQL Replication</b>	<b>TCP 3306</b>	<b>TCP 3306</b>
<b>OpenLDAP Replication</b>	<b>LDAPS 389 or 636</b>	<b>LDAPS 389 or 636</b>
<b>Web Applications</b>	<b>TCP 443</b>	HTTPS <b>443</b> to <a href="https://haveibeenpwned.com/API/v3">https://haveibeenpwned.com/API/v3</a> URL if Prevent Known Passwords setting is activated on Secure Password Reset. Other web applications do not have external communications.

## 5. Change default WebADM listening Ports

The proper way to change a WebADM listening port is by creating the `/opt/webadm/conf/webadm.env` file. In that file, you can configure the following settings:

```
# Interface used
INTERFACE=1.2.3.4

# Apache standard port
HTTP_PORT_STD=1080

# Apache SSL port
HTTP_PORT_SSL=1443

# Web Service standard port
SOAP_PORT_STD=2080

# Web Service SSL port
SOAP_PORT_SSL=2443
```

To take into account these changes, you have to restart your WebADM services.

If you need to change the PKI Server Port then follow this documentation [RCDevs Hardening Guide - 7.2 Change Port](#).

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