
Connecting with *ICONSA.CA*

ICONSA.CA (<http://www.iconsa.ca/>) offers communication services using a high speed internet connection. Based in Canada, ICONSA.CA services use VoIP (Voice over Internet Protocol) which allows users' access to low-cost communications services.

This document explains how to use OnDO PBX with ICONSA.CA.

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1. Setting Up an ICONSA.CA Account

Please obtain an account from the ICONSA.CA website (<http://www.iconsa.ca/>).

PSTN Telephone Extension Number	1000 (example)
Server Name	voip.iconsa.ca
User ID/Number	1000(example)
Password	*****

2. ARS Configuration for ICONSA.CA

To define ARS settings for your ICONSA.CA account:

1. Choose [ARS] in the PBX Admintool.
2. Type a route name in the entry field (we suggest ICONSA.CA)
3. Click [Create a new route]. Your new route will appear in the list above.
4. Click the [Edit] button next to your new route to define conditions.

For more information on ARS settings, please refer to the OnDO PBX Administrator's Guide.

Please see the following sections of this document for ARS settings relevant to ICONSA.CA service.

2.1. General Settings

Register URI Realm	sip:1000@voip.iconsa.ca
Proxy Address	voip.iconsa.ca:5060
User ID/Number	1000
Password	*****

In the [Register URI] field, enter your ICONSA.CA user ID/number and the server name in the format shown above. Enter the server/proxy address, your User ID/number and password as assigned by ICONSA.CA in the appropriate fields.

2.2. Pattern Settings

The following call patterns are explained in this next section.

- Incoming Call Pattern
- Outgoing Call Pattern
- Outgoing Call Pattern to sipphone.com Number

2.2.1. Incoming Call Pattern

To direct incoming calls from PSTN callers or VoIP callers, enter your user ID from ICONSA.CA in the [Matching patterns: To] field, in the format shown above. All calls terminated on your user ID/number will be directed to the extension set in the [Deploy patterns: To] field.

Incoming Call Pattern

Direction	IN
Matching patterns: From	
Matching patterns: To	sip:1000@
Deploy patterns: From	
Deploy patterns: To	OnDO PBX extension number (180 example)
Ignore Priorities smaller than No	1
Deploy patterns: DTMF	
RTP relay	on(G.711 u only)

2.2.2. Outgoing Call Pattern

This rule handles calls made by OnDO PBX users via ICONSA.CA: dialing 9 first to call places outside of the PBX. In the [Matching patterns: To] field, "9" represents the dialing prefix, and (.+) represents any number of dialing digits. The [Deploy patterns: To] will automatically remove the prefix, 9 and add *8, from all outgoing calls.

Outgoing Call Pattern

Direction	OUT
Matching patterns: From	
Matching patterns: To	sip:9(.+)@
Deploy patterns: From	"1000"<sip:1000@voip.iconsa.ca >
Deploy patterns: To	sip:*8\$1@voip.iconsa.ca
Ignore Priorities smaller than No	1
Deploy patterns: DTMF	
RTP relay	on(G.711 u only)

2.2.3. Outgoing Call Pattern for Calling a sipphone.com Number

This rule is an example of calling to a sipphone.com number, using OnDO PBX with ICONSA.CA. In the above rule 1747 is the prefix of a registered sipphone number e.g., (1747+76540088).

Outgoing Call Pattern for Calling a sipphone.com Number

Direction	OUT
Matching patterns: From	
Matching patterns: To	sip:(1747.+)@
Deploy patterns: From	"1000"< sip:1000@voip.iconsa.ca >
Deploy patterns: To	sip:\$1@voip.iconsa.ca
Ignore Priorities smaller than No	1
Deploy patterns: DTMF	
RTP relay	on(G.711 u only)

2.3. Priorities

Direction	IN/OUT
Max sessions	-1
Priorities	100

Here, all priority settings have been left at their respective default values. To give this rule a higher priority, set its Priority to a number with a lesser value. In the [Max sessions] field, -1 indicates an unlimited amount.

3. OnDO SIP Server Dial Plan Settings

Dial Plan can accommodate the unique requirements of each VoIP service provider.

3.1. Making Calls to an ICONSA.CA Number

Matching Patterns	Deploy Patterns
<code>\$request=^INVITE to=(voip\.iconsca\.ca) \$port=15062</code>	<code>\$auth=off</code>

This Dial Plan needs to be placed before “from PBX1” (default dial plan).

3.2. Receiving Calls to an ICONSA.CA Number

Matching Patterns	Deploy Patterns
<code>\$addr=^72\.57\.50\.209 \$request=^INVITE to=(.*)</code>	<code>\$target=localhost:15060 To=%1 \$auth=off</code>

This Dial Plan needs to be placed before “to PBX” (default dial plan).

4. OnDO SIP Server Configuration Settings

Under the Configuration settings choose System and in the Network section put the Internet side address of your Internet Router.

Interface address 1	197.166.8.99(example)
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5. Notes for Dial Plan settings

- This Dial Plan allows calls from the ICONSA.CA line to pass through without authentication from OnDO SIP Server. When INVITE authentication is turned off at [Config] menu in OnDO SIP Server, this Dial Plan setting can be omitted.
- Note that you may need to update Dial Plan rules that include ICONSA.CA's SIP Server IP address. ICONSA.CA may change their Server's IP address at any time.
- In this tutorial guide, [RTP relay] is set for "on(G.711 u only)" in ARS deploy pattern setting. In some cases, setting [RTP relay] = "off" may work; however, we have not tested all of the applicable environments.