

Overview

Providers are global carrier trunks or external services used by routing profiles, inbound DID, SMS delivery, and cost handling. Use **Admin > Providers** to create SIP, PJSIP, IAX2, DAHDI, LOCAL, or SMS providers and to review live channel counters.

The screenshot shows a web interface for managing providers. At the top right, there are buttons for 'New Provider' and 'Delete Selected'. Below these is a search bar and a 'Show 10 entries' dropdown. The main part of the interface is a table with columns for Name, Peer Name, Tech, Host, Penalty, Status, # IN, # OUT, and Actions. The table contains six rows of provider data.

Name	Peer Name	Tech	Host	Penalty	Status	# IN	# OUT	Actions		
Docs Telecom SIP Trunk	docs_telecom_sip	SIP	203.0.113.20	+15551230000	Docs Main	10	Enabled	2	5	[Link]
Docs Telecom PJSIP Trunk	docs_telecom_pjsip	PJSIP	198.51.100.30	+15551231000	Docs PJSIP	5	Enabled	1	7	[Link]
Docs IAX2 Gateway	docs_iax2_gateway	IAX2	203.0.113.45	+15551232000	Docs IAX	25	Only Inbound	1	0	[Link]
Docs Analog Gateway	dahdi_docs_group1	DAHDI	group1	+15551233000	Docs Analog	30	Enabled	0	1	[Link]
Docs Local Route	docs_local_route	LOCAL	local/docs			50	Enabled	0	0	[Link]
Docs SMS JSON Gateway	docs_sms_jsonweburl	SMS	sms.example.invalid			15	Enabled	0	32	[Link]

Showing 1 to 9 of 9 entries

Providers list with fictional documentation providers.

Technology Selection

Technology	Use for	Typical fictional example
SIP	Legacy chan_sip carrier trunks or IP-authenticated SIP gateways.	Docs Telecom SIP Trunk at 203.0.113.20
PJSIP	Modern res_pjsip carrier trunks with endpoint, AOR, auth, and identify rows.	Docs Telecom PJSIP Trunk with TLS/SRTP
IAX2	IAX2 gateways or legacy interconnects.	Docs IAX2 Gateway on port 4569
DAHDI	Analog, PRI, or hardware channel-group routing controlled outside SIP/PJSIP realtime.	Docs Analog Gateway
LOCAL	Local PBX routing targets that should be selected like a provider.	Docs Local Route
SMS	SMS delivery via HTTP, JSON, SOAP, SIP MESSAGE, SMSPortal, or AGI script.	Docs SMS JSON Gateway

Configuration Workflow

- Create or open a provider from **Admin > Providers**.
- Complete the shared identity, outbound, and inbound fields that apply to the selected technology.
- For SIP, PJSIP, or IAX2, enable **Use Realtime Account** when MiRTA PBX should maintain the Asterisk realtime rows.
- Save the provider only after replacing the fictional documentation values with carrier-supplied production values.
- Assign providers to routing profiles and test inbound DID matching, outbound dialing, caller ID presentation, and SMS delivery.

Operational Notes

- Provider changes are global and can affect multiple tenants, routing profiles, DIDs, and SMS routes.
- Use documentation-reserved IP addresses and example domains only for training material; never use them in production trunks.
- Provider-level CallerID and CallerID Name override extension-derived caller ID for every call through the provider.
- Max outbound channels prevents a trunk from being overused. When the limit is reached, routing can continue to another provider.

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