

Provider

The **Provider** object is supported by the MiRTA PBX OpenAPI endpoint. This object is managed at system scope and requires a global API key.

Object Summary

Property	Value
Object	provider
Primary path	/providers
ID field	pr_id
Label field	pr_name
Primary source table	pr_providers
Required on create	pr_name
Path aliases	/provider, /providers

Endpoint Patterns

Action	Example pattern
List	GET https://pbx.example.com/pbx/openapi.php/providers
Get by ID	GET https://pbx.example.com/pbx/openapi.php/providers/OBJECT_ID
Create	POST https://pbx.example.com/pbx/openapi.php/providers
Update	PATCH https://pbx.example.com/pbx/openapi.php/providers/OBJECT_ID
Delete	DELETE https://pbx.example.com/pbx/openapi.php/providers/OBJECT_ID

Accepted Field Aliases

Request field	Source field
name	pr_name
peername	pr_peername
peer_name	pr_peername
tech	pr_tech
host	pr_host
disabled	pr_disabled
penalty	pr_penalty
realtime	pr_userealtime
use_realtime	pr_userealtime
calleridmod_id	pr_ca_id
callerid	pr_callerid
caller_id	pr_callerid
callerid_number	pr_callerid
caller_id_number	pr_callerid
calleridname	pr_calleridname
callerid_name	pr_calleridname
caller_id_name	pr_calleridname
did_mod_id	pr_did_ca_id
max_out_channels	pr_maxoutchannels
ignore_sip_cause	pr_ignoresipcause
ignore_busy	pr_ignorebusy
sms_protocol	pr_smsprotocol
sms_url	pr_smsurl
sms_user	pr_smsuser
sms_password	pr_smspassword
canreinvite	sipfriends.canreinvite for chan_sip direct media
direct_media	ps_endpoints.direct_media for PJSIP direct media

Important Notes

- Providers are global system objects and always require a global API key.
- Readonly global API keys can list and read providers, but create, update, and delete require the full global API key.
- SIP providers manage the related sipfriends realtime row when realtime is enabled.

- PJSIP providers manage the related `ps_endpoints`, `ps_aors`, `ps_auths`, and `ps_endpoint_id_ips` rows when realtime is enabled.
- When a provider changes technology, the API removes old realtime rows before creating rows for the new technology.
- Provider `callerid` and `callerid_name` values are optional. When set, calls routed through the provider use those caller ID values instead of extension-derived caller ID.
- Use `canreinvite` for `chan_sip` direct media values. Use `direct_media` for PJSIP direct media values.

Examples

List Providers

Returns the providers visible to the key and scope.

```
curl -H "X-API-Key: GLOBAL_API_KEY" \  
  "https://pbx.example.com/pbx/openapi.php/providers"
```

Get Provider

Reads one object by its internal ID.

```
curl -H "X-API-Key: GLOBAL_API_KEY" \  
  "https://pbx.example.com/pbx/openapi.php/providers/OBJECT_ID"
```

Create Provider

Creates a new object. Use the short aliases shown above or the source field names.

```
curl -X POST \  
  -H "X-API-Key: GLOBAL_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "name": "Docs API PJSIP Provider",  
    "peername": "docs-pjsip-provider",  
    "tech": "PJSIP",  
    "realtime": "on",  
  }'
```

```
"host": "198.51.100.20",
"username": "docs-trunk",
"password": "change-this-secret",
"transport": "UDP",
"codecs": [
  "ulaw",
  "alaw"
],
"qualify": "yes",
"qualifyfreq": 60,
"direct_media": "no",
"callerid": "+15551230000",
"callerid_name": "Docs API Provider"
}' \
"https://pbx.example.com/pbx/openapi.php/providers"
```

Edit Provider

Updates only the supplied fields.

```
curl -X PATCH \
-H "X-API-Key: GLOBAL_API_KEY" \
-H "Content-Type: application/json" \
-d '{
  "disabled": "",
  "penalty": 10,
  "max_out_channels": 25,
  "callerid": "+15551230001",
  "callerid_name": "Docs API Main"
}' \
"https://pbx.example.com/pbx/openapi.php/providers/OBJECT_ID"
```

Delete Provider

Deletes the object. Check references before deleting configuration used by routing or reporting.

```
curl -X DELETE \
-H "X-API-Key: GLOBAL_API_KEY" \
```

```
"https://pbx.example.com/pbx/openapi.php/providers/OBJECT_ID"
```

Create SIP Provider

Creates a chan_sip provider and the related sipfriends realtime peer.

```
curl -X POST \  
  -H "X-API-Key: GLOBAL_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "name": "Docs API SIP Provider",  
    "peername": "docs-sip-provider",  
    "tech": "SIP",  
    "realtime": "on",  
    "host": "198.51.100.10",  
    "username": "docs-sip-trunk",  
    "password": "change-this-secret",  
    "transport": "UDP",  
    "nat": "force_rport,comedia",  
    "codecs": [  
      "ulaw",  
      "alaw"  
    ],  
    "canreinvite": "no"  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/providers"
```

Edit PJSIP Realtime Settings

Updates provider fields and related PJSIP endpoint, AOR, auth, and endpoint identification rows.

```
curl -X PATCH \  
  -H "X-API-Key: GLOBAL_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "host": "198.51.100.21",  
    "password": "new-secret",  
    "direct_media": "no",
```

```
"sendrpid": "pai",
"codecs": [
  "ulaw",
  "alaw",
  "opus"
]
}' \
"https://pbx.example.com/pbx/openapi.php/providers/OBJECT_ID"
```

Common Errors

Error	Meaning
<code>missing_api_key</code>	No API key was supplied in the query string, <code>X-API-Key</code> , or bearer token.
<code>invalid_api_key</code>	The supplied key does not match the tenant or global API key.
<code>tenant_required</code>	A tenant code is required for tenant-scoped writes or tenant-key reads.
<code>read_only_api_key</code>	The key can read data but cannot create, update, or delete objects.
<code>missing_required_field</code>	A required create field is missing.

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