

Extension

The **Extension** object is supported by the MiRTA PBX OpenAPI endpoint. This object is tenant-scoped. Tenant API keys must include `tenant=CANISTRACCI`; writes require a writable API key.

Object Summary

Property	Value
Object	<code>extension</code>
Primary path	<code>/extensions</code>
ID field	<code>ex_id</code>
Label field	<code>ex_number</code>
Primary source table	<code>ex_extensions</code>
Required on create	<code>number or ex_number</code>
Path aliases	<code>/extensions</code>

Endpoint Patterns

Action	Example pattern
List	<code>GET</code> <code>https://pbx.example.com/pbx/openapi.php/extensions?tenant=CANISTRACCI</code>
Get by ID	<code>GET</code> <code>https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI</code>
Create	<code>POST</code> <code>https://pbx.example.com/pbx/openapi.php/extensions?tenant=CANISTRACCI</code>
Update	<code>PATCH</code> <code>https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI</code>
Delete	<code>DELETE</code> <code>https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI</code>

Accepted Field Aliases

Request field	Source field
number	ex_number
name	ex_name
tech	ex_tech
sipusername	username
mailbox	ex_mailbox
email	ex_email
password	technology secret/password
callgroups	ex_callgroup
pickupgroups	ex_pickupgroup
realextensions	virtual_items

Destination Fields

Destination fields accept one destination string or an array of destination strings such as `EXT-100`, `VOICEMAIL-100`, or another supported destination type and ID pair.

Destination type	Accepted aliases
EXT-UNCONDITIONAL	unconditional
EXT-NOANSWER	onnoanswer, noanswer, no_answer
EXT-BUSY	onbusy, busy
EXT-OFFLINE	onoffline, offline
EXT-ONCONDITION	oncondition, condition
EXT-DIALBYNAME	dialbyname, dial_by_name
EXT-ONLYALLOWCALL	onlyallowcall, only_allow_call
EXT-DONOTCALL	donotcall, do_not_call

Important Notes

- Supported technologies are SIP, PJSIP, CUSTOM, and VIRTUAL.

- When username is not supplied, the API generates number-tenantcode, for example 100-CANISTRACCI.
- Nested technology data can be supplied with sipfriends, ps_endpoints, ps_aors, ps_auths, ce_customextensions, or ve_virtualextensions.

Examples

List Extensions

Returns extension ID, number, name, and technology for the tenant.

```
curl -H "X-API-Key: TENANT_API_KEY" \  
  "https://pbx.example.com/pbx/openapi.php/extensions?tenant=CANISTRACCI"
```

Get Extension

Reads one extension by internal ID and includes related technology data.

```
curl -H "X-API-Key: TENANT_API_KEY" \  
  "https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Get Extension by Number

Reads an extension by PBX number. Keep the tenant parameter when the same number may exist in multiple tenants.

```
curl -H "X-API-Key: TENANT_API_KEY" \  
  "https://pbx.example.com/pbx/openapi.php/extensions/number/100?tenant=CANISTRACCI"
```

Create PJSIP Extension

Creates a PJSIP extension and optional endpoint/AOR details.

```
curl -X POST \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  "https://pbx.example.com/pbx/openapi.php/extensions"
```

```
-d '{
  "number": "100",
  "name": "Ada Rivera",
  "tech": "PJSIP",
  "password": "change-this-secret",
  "email": "ada.rivera@example.com",
  "ps_endpoints": {
    "transport": "transport-udp",
    "direct_media": "no"
  },
  "ps_aors": {
    "max_contacts": 1,
    "remove_existing": "yes"
  }
}' \
  "https://pbx.example.com/pbx/openapi.php/extensions?tenant=CANISTRACCI"
```

Create SIP Extension

Creates a chan_sip extension and optional SIP peer fields.

```
curl -X POST \
  -H "X-API-Key: TENANT_API_KEY" \
  -H "Content-Type: application/json" \
  -d '{
    "number": "101",
    "name": "Bruno Long",
    "tech": "SIP",
    "password": "change-this-secret",
    "sipfriends": {
      "host": "dynamic",
      "nat": "force_rport,comedia"
    }
  }' \
  "https://pbx.example.com/pbx/openapi.php/extensions?tenant=CANISTRACCI"
```

Create Custom Extension

Creates an extension that points to a custom dial string or custom endpoint behavior.

```
curl -X POST \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "number": "102",  
    "name": "Custom Doorphone",  
    "tech": "CUSTOM",  
    "ce_customextensions": {  
      "ce_peername": "doorphone-main",  
      "ce_destination": "Local/100@from-internal"  
    }  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions?tenant=CANISTRACCI"
```

Create Virtual Extension

Creates a virtual extension and maps it to real extension IDs.

```
curl -X POST \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "number": "103",  
    "name": "After Hours Virtual",  
    "tech": "VIRTUAL",  
    "realextensions": [  
      100,  
      101  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions?tenant=CANISTRACCI"
```

Edit Extension

Updates only the supplied extension fields.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -d '{  
    "number": "103",  
    "name": "After Hours Virtual",  
    "tech": "VIRTUAL",  
    "realextensions": [  
      100,  
      101  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions?tenant=CANISTRACCI"
```

```
-H "Content-Type: application/json" \  
-d '{  
  "name": "Ada Rivera - Desk",  
  "email": "ada.desk@example.com",  
  "callgroups": [  
    1  
  ],  
  "pickupgroups": [  
    1  
  ]  
}' \  
"https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Delete Extension

Deletes the extension, its technology row, and extension destinations.

```
curl -X DELETE \  
-H "X-API-Key: TENANT_API_KEY" \  
"https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension Unconditional Destination

Sets the `EXT-UNCONDITIONAL` destination using the `unconditional` alias.

```
curl -X PATCH \  
-H "X-API-Key: TENANT_API_KEY" \  
-H "Content-Type: application/json" \  
-d '{  
  "unconditional": [  
    "EXT-101"  
  ]  
}' \  
"https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension No Answer Destination

Sets the `EXT-NOANSWER` destination using the `onnoanswer` alias.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "onnoanswer": [  
      "EXT-101"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension Busy Destination

Sets the `EXT-BUSY` destination using the `onbusy` alias.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "onbusy": [  
      "EXT-101"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension Offline Destination

Sets the `EXT-OFFLINE` destination using the `onoffline` alias.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "onoffline": [  
      "EXT-101"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension On Condition Destination

Sets the `EXT-ONCONDITION` destination using the `oncondition` alias.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "oncondition": [  
      "EXT-101"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension Dial by Name Destination

Sets the `EXT-DIALBYNAME` destination using the `dialbyname` alias.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "dialbyname": [  
      "EXT-101"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension Only Allow Call Destination

Sets the `EXT-ONLYALLOWCALL` destination using the `onlyallowcall` alias.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "onlyallowcall": [  
      "EXT-101"  
    ]  
  }'
```

```
]
}' \
"https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension Do Not Call Destination

Sets the `EXT-DONOTCALL` destination using the `donotcall` alias.

```
curl -X PATCH \
-H "X-API-Key: TENANT_API_KEY" \
-H "Content-Type: application/json" \
-d '{
  "donotcall": [
    "EXT-101"
  ]
}' \
"https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension Destinations Object Form

The destination aliases are convenient, but integrations can also send the database destination type names inside the destinations object.

```
curl -X PATCH \
-H "X-API-Key: TENANT_API_KEY" \
-H "Content-Type: application/json" \
-d '{
  "destinations": {
    "EXT-BUSY": [
      "EXT-101"
    ],
    "EXT-NOANSWER": [
      "VOICEMAIL-100"
    ]
  }
}' \
"https://pbx.example.com/pbx/openapi.php/extensions/EXTENSION_ID?tenant=CANISTRACCI"
```

Extension UNCONDITIONAL Destination

Updates the `EXT-UNCONDITIONAL` destination. The same value can also be sent inside a `destinations` object.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "unconditional": [  
      "EXT-100"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI"
```

Extension NOANSWER Destination

Updates the `EXT-NOANSWER` destination. The same value can also be sent inside a `destinations` object.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "onnoanswer": [  
      "EXT-100"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI"
```

Extension BUSY Destination

Updates the `EXT-BUSY` destination. The same value can also be sent inside a `destinations` object.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{
```

```
"onbusy": [  
  "EXT-100"  
]  
' \
```

```
"https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI"
```

Extension OFFLINE Destination

Updates the `EXT-OFFLINE` destination. The same value can also be sent inside a `destinations` object.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "onoffline": [  
      "EXT-100"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI"
```

Extension ONCONDITION Destination

Updates the `EXT-ONCONDITION` destination. The same value can also be sent inside a `destinations` object.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "oncondition": [  
      "EXT-100"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI"
```

Extension DIALBYNAME Destination

Updates the `EXT-DIALBYNAME` destination. The same value can also be sent inside a `destinations` object.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "dialbyname": [  
      "EXT-100"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI"
```

Extension ONLYALLOWCALL Destination

Updates the `EXT-ONLYALLOWCALL` destination. The same value can also be sent inside a `destinations` object.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "onlyallowcall": [  
      "EXT-100"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI"
```

Extension DONOTCALL Destination

Updates the `EXT-DONOTCALL` destination. The same value can also be sent inside a `destinations` object.

```
curl -X PATCH \  
  -H "X-API-Key: TENANT_API_KEY" \  
  -H "Content-Type: application/json" \  
  -d '{  
    "donotcall": [  
      "EXT-100"  
    ]  
  }' \  
  "https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI"
```

"EXT-100"

]

} ' \

"https://pbx.example.com/pbx/openapi.php/extensions/OBJECT_ID?tenant=CANISTRACCI"

Common Errors

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

Revision #17

Created 2026-06-06 07:31:56 UTC by Admin

Updated 2026-07-03 15:49:02 UTC by Admin