

Axis Provider Integration Guide

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Audience	Game providers integrating with Axis.
Transport	HTTPS, JSON request bodies, HMAC SHA-256 request signing.
Main responsibilities	Provider implements catalog, launch, and promotion action endpoints. Provider calls Axis wallet and promotion event callbacks.

All examples use placeholder URLs and credentials. Axis supplies the real base URLs, public keys, shared secrets, provider code, operator scope, site code, and environment for each integration.

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1 Overview

Use this guide to implement the Axis provider integration endpoints and callbacks.

1.1 Integration Scope

Axis configures one integration record per provider, operator, site, and environment.

Field	Meaning
<code>providerCode</code>	Stable lowercase provider identifier used in Axis routes and records.
<code>operatorId</code>	Axis operator UUID. Axis sends this in provider-pull requests.
<code>siteCode</code>	Site or brand scope. Default is <code>default</code> .
<code>environment</code>	Environment scope such as <code>staging</code> or <code>production</code> .
<code>apiBaseUrl</code>	Provider base URL used by Axis for catalog, launch, and promotion actions.
<code>publicKey</code> and <code>secret</code>	Per-integration HMAC credentials. Do not reuse secrets across environments.

1.2 Traffic Directions

Direction	Authentication	Purpose
Axis to provider	<code>X-Axis-*</code> HMAC headers	Catalog pull, launch, promotion offers, campaigns, grants, jackpot reports, and tournament reports.
Provider to Axis	<code>X-Provider-*</code> HMAC headers	Wallet authenticate, balance, debit, credit, debit-credit, rollback, adjustment, session terminate, and promotion event callbacks.

1.3 Integration Steps

1. Receive `providerCode`, `operatorId`, `siteCode`, `environment`, Axis callback base URL, public key, shared secret, and configured provider paths from Axis.
2. Implement the Axis-to-provider endpoints for the selected capability profile.
3. Verify every Axis-to-provider request with `X-Axis-*` headers.
4. Call Axis wallet and promotion event endpoints with `X-Provider-*` headers.
5. Use the DTOs, response envelopes, retry rules, and idempotency keys defined in this guide.

1.4 Capability Profiles

Profile	Required capabilities
<code>core</code>	Catalog, launch, wallet authenticate, balance, debit, credit, debit-credit, rollback, adjustment, session terminate, auth failure handling, nonce replay rejection, invalid amount rejection, and duplicate transaction idempotency.
<code>promotions</code>	Everything in <code>core</code> , plus offers list, campaign create/cancel, grant create/cancel, and provider promotion event callback.
<code>full</code>	Everything in <code>promotions</code> , plus jackpot and tournament reports.

1.5 JSON Rules

- All request and response bodies are JSON.
- All timestamps are ISO 8601 strings with an offset, for example `2026-06-03T12:00:00.000Z`.
- `traceId` is a UUID used for tracing. Echo it in provider-to-Axis callback bodies.
- Money amounts sent to Axis are decimal strings, not numbers.
- Wallet amounts must be greater than zero and have up to 6 decimal places.
- Currency codes are uppercase strings, 3 to 6 characters.
- Provider-specific data belongs in `metadata`, `payload`, or `providerConfig`.
- Providers must ignore unknown JSON fields sent by Axis.

- Provider-to-Axis callback DTOs are strict. Do not send extra top-level fields outside the documented DTOs.

1.6 Base Paths

Path type	Value
Provider-to-Axis base	Axis callback base URL supplied by Axis for each environment.
Catalog path	Provider path configured in Axis. Default: <code>/catalog/games</code> .
Launch path	Provider path configured in Axis. Default: <code>/launch</code> .
Promotion base path	Provider path configured in Axis. Default: <code>/promotions</code> .

Axis will provide the exact callback base URL for each environment.

2 Authentication

Both traffic directions use HMAC SHA-256 over the exact raw request body sent on the wire.

2.1 Signature Algorithm

Signature payload:

```
{timestamp}.{nonce}.{rawBody}
```

Signature output:

```
hex(hmac_sha256(sharedSecret, signaturePayload))
```

Node.js signing example:

```
import { createHmac, timingSafeEqual } from "node:crypto";

function sign(secret, timestamp, nonce, rawBody) {
  return createHmac("sha256", secret)
    .update(`${timestamp}.${nonce}.${rawBody}`)
    .digest("hex");
}

function signaturesMatch(expectedHex, actualHex) {
  const expected = Buffer.from(expectedHex, "hex");
  const actual = Buffer.from(actualHex, "hex");
  return expected.length === actual.length && timingSafeEqual(expected, actual);
}
```

Use the raw body bytes/string exactly as received. Do not verify against a parsed and re-serialized object unless it is guaranteed to be byte-for-byte identical.

2.2 Axis to Provider Headers

Axis signs every provider-pull request with these headers:

Header	Meaning
X-Axis-Provider-Key	Public key for the integration.
X-Axis-Timestamp	ISO timestamp generated by Axis.
X-Axis-Nonce	Unique nonce generated by Axis.
X-Axis-Signature	Hex HMAC SHA-256 signature.

Provider requirements:

- Verify the public key maps to the expected integration.
- Reject timestamps outside a 5 minute window.
- Reject replayed nonces inside the timestamp window.
- Compare signatures using a timing-safe comparison.
- Return HTTP 401 for invalid credentials, stale timestamp, replayed nonce, or invalid signature.

2.3 Provider to Axis Headers

Providers must sign every callback to Axis with:

Header	Meaning
X-Provider-Key	Public key Axis issued for this integration.
X-Provider-Timestamp	ISO timestamp generated by provider.
X-Provider-Nonce	Unique nonce, 8 to 128 characters.
X-Provider-Signature	Hex HMAC SHA-256 signature.

Axis validation rules:

- Timestamp tolerance is 5 minutes.
- Nonce must be unique per integration inside the timestamp window.
- Integration must be enabled and the callback base URL must match the public key.
- If an IP allowlist is configured, the request IP must match exactly.
- Authentication failures return HTTP 401.
- Validation failures return HTTP 400.

2.4 Signed Callback Example

```
POST {axisCallbackBaseUrl}/wallet/balance
Content-Type: application/json
Accept: application/json
X-Provider-Key: gpk_staging_acme
X-Provider-Timestamp: 2026-06-03T12:00:00.000Z
X-Provider-Nonce: 6e8e4a2b-9468-4b7d-b66c-85d7c12e7568
X-Provider-Signature: 1ec8d8ab...

{
  "traceId": "4090b86e-15fd-497a-9fa4-795e98dc8472",
  "token": "axis-session-token",
  "providerSessionId": "provider-session-123",
  "currency": "USD"
}
```

3 Axis to Provider Endpoints

Axis sends POST requests to the provider base URL configured for the integration. Axis signs every request with `X-Axis-*` headers.

Provider responses may be an envelope with data or the raw data object directly. Axis unwraps data when present. HTTP non-2xx responses are treated as failed provider requests.

3.1 Catalog Games

Default path: POST /catalog/games

Axis request:

Field	Required	Description
traceId	yes	UUID for this request.
providerCode	yes	Provider code configured in Axis.
operatorId	yes	Axis operator UUID.
siteCode	yes	Site scope for the integration.
environment	yes	Environment scope for the integration.
query	yes	Original Axis game-list query. Providers should ignore unknown fields.

Sample request:

```
{
  "traceId": "4f2b4817-e7dd-45aa-9f29-d210cf72e675",
  "providerCode": "acme-games",
  "operatorId": "5d7778e2-e86f-4173-9e11-7f0f3d23227e",
  "siteCode": "default",
  "environment": "staging",
  "query": {
    "traceId": "4f2b4817-e7dd-45aa-9f29-d210cf72e675",
    "vendorCode": "acme-games",
    "pageNo": 1,
    "pageSize": 100,
    "currency": "USD",
    "fetchFromApi": true
  }
}
```

Game DTO:

Field	Required	Description
gameCode	yes	Stable provider game code.
gameName	yes	Display name.
categoryCode	yes	Category code such as slots, live, table.
languageCodes	no	Supported language codes.
platformCodes	no	Supported platforms such as WEB, MOBILE.
currencyCodes	no	Supported currency codes.
isOpen	no	Whether the game is open for play.
isAvailable	no	Whether the game is available for this integration.
isVip	no	Whether the game is VIP-only.
rtp	no	RTP value as string or number.
volatility	no	Provider volatility label.
imageSquare	no	Square image URL.
imageWide	no	Wide image URL.
imageLandscape	no	Landscape image URL.
imagePortrait	no	Portrait image URL.
imageStandard	no	Standard image URL.
vendorCode	no	Provider/vendor code.

Field	Required	Description
vendorName	no	Provider/vendor display name.
availabilityUpdatedAt	no	ISO timestamp or null.
metadata	no	Provider-specific JSON object.

Sample response:

```
{
  "status": "OK",
  "message": "Successful response.",
  "data": {
    "games": [
      {
        "gameCode": "acme-slot-100",
        "gameName": "Acme Slot 100",
        "categoryCode": "slots",
        "languageCodes": ["en"],
        "platformCodes": ["WEB", "MOBILE"],
        "currencyCodes": ["USD", "EUR"],
        "isOpen": true,
        "isAvailable": true,
        "rtp": "96.50",
        "vendorCode": "acme-games",
        "vendorName": "Acme Games",
        "metadata": {}
      }
    ]
  }
}
```

3.2 Launch

Default path: POST /launch

Axis creates a session token first, then sends it to the provider. Providers should bind their playable session to `sessionToken`; wallet callbacks should prefer this token for session lookup.

Field	Required	Description
traceId	yes	UUID for launch.
sessionToken	yes	Axis session token. Prefer this in wallet callbacks.
operatorId	yes	Axis operator UUID.
providerCode	yes	Provider code.
siteCode	yes	Site scope.
environment	yes	Environment scope.
username	yes	Player username.
nickname	no	Player nickname.
subOperator	no	Sub-operator or brand reference.
gameCode	yes	Provider game code.
currency	yes	Currency code.
language	yes	Language code.
platform	yes	Platform code.
playMode	no	REAL or DEMO.
lobbyUrl	yes	URL to return the player to the operator lobby.
depositUrl	no	Deposit URL.
country	no	Player country or market.
ipAddress	yes	Player IP address passed by operator.
playerType	no	VIP or TEST.

Sample request:

```
{
  "traceId": "8e89d29d-7d89-4637-9696-4c68c17fae70",
  "sessionToken": "6f628e10-b229-4279-b7f4-aa8139d7488e",
  "operatorId": "5d7778e2-e86f-4173-9e11-7f0f3d23227e",
  "providerCode": "acme-games",
  "siteCode": "default",
  "environment": "staging",
  "username": "player123",
  "nickname": "Player 123",
  "gameCode": "acme-slot-100",
  "currency": "USD",
  "language": "en",
  "platform": "WEB",
  "playMode": "REAL",
  "lobbyUrl": "https://operator.example/lobby",
  "depositUrl": "https://operator.example/deposit",
  "country": "US",
  "ipAddress": "203.0.113.10",
  "playerType": "TEST"
}
```

Launch response DTO:

Field	Required	Description
launchUrl	yes	URL Axis returns to the operator for the player to open.
providerSessionId	no	Provider session id. If returned, Axis stores it for future callbacks.
clientSessionId	no	Optional provider/client session reference.
clientPlayerId	no	Optional provider/client player reference.
username	no	Optional normalized username.
metadata	no	Provider-specific JSON object.

Sample response:

```
{
  "status": "OK",
  "data": {
    "launchUrl": "https://provider.example/play?token=6f628e10-b229-4279-b7f4-aa8139d7488e",
    "providerSessionId": "gps-20260603-10001",
    "clientSessionId": "client-session-1",
    "clientPlayerId": "client-player-123",
    "username": "player123",
    "metadata": {}
  }
}
```

3.3 Promotion Actions

Default promotion base path: /promotions

Promotion endpoints are required for the promotions and full profiles.

Path	Purpose
/promotions/offers/list	Return provider promotion offers that Axis can store and expose to operators.
/promotions/campaigns/create	Create or activate a campaign at the provider.
/promotions/campaigns/cancel	Cancel a campaign at the provider.
/promotions/grants/create	Grant a promotion to a player.
/promotions/grants/cancel	Cancel a player grant.
/promotions/reports/jackpots	Return jackpot report data. Required for full.
/promotions/reports/tournaments	Return tournament report data. Required for full.

3.3.1 Offers List

Request:

```
{
  "traceId": "386917ad-6db7-418e-9e4e-a142e59c8818",
  "providerCode": "acme-games",
  "operatorId": "5d7778e2-e86f-4173-9e11-7f0f3d23227e",
  "siteCode": "default",
  "environment": "staging"
}
```

Offer response fields:

Field	Required	Description
id	no	Provider offer id. Used as fallback for providerOfferRef.
type	no	Promotion type. Defaults to provider_specific. Supported values are listed below.
providerOfferRef	no	Stable provider offer reference.
scope	no	JSON object describing scope, such as games, brands, currencies, or markets.
reward	no	JSON object describing reward, such as spins, bet amount, bonus amount, or jackpot config.
offerHash	no	Provider hash/version. Axis can store it when present.
expiresAt	no	ISO timestamp after which the offer is unavailable.
configSchema	no	JSON schema or free-form config definition for operator/provider config.
available	no	Defaults to true unless explicitly false.
unavailableReason	no	Reason when unavailable.
metadata	no	Provider-specific JSON object.

Supported promotion type values:

```
free_bet, bonus_money, bonus_game, free_chips, tournament, prize_drop,
jackpot, cashback, deposit_bonus, welcome_bonus, provider_specific
```

Sample response:

```
{
  "status": "OK",
  "data": {
    "offers": [
      {
        "id": "offer-free-spins-10",
        "type": "free_bet",
        "providerOfferRef": "fs10-usd-web",
        "scope": { "games": ["acme-slot-100"], "currencies": ["USD"] },
        "reward": { "spins": 10, "betAmount": "0.10" },
        "configSchema": { "type": "object", "additionalProperties": true },
        "available": true,
        "metadata": {}
      }
    ]
  }
}
```

3.3.2 Promotion Request Object Fields

Promotion action requests include full Axis promotion objects. Providers should validate the fields they use and ignore unknown nested fields.

Action path	Request body fields
/promotions/offers/list	traceId, providerCode, operatorId, siteCode, environment.
/promotions/campaigns/create	traceId, offer, campaign, providerConfig.
/promotions/campaigns/cancel	traceId, campaign.
/promotions/grants/create	traceId, campaign, grant, providerConfig.
/promotions/grants/cancel	traceId, campaign, grant.
/promotions/reports/jackpots	Operator report payload plus traceId.
/promotions/reports/tournaments	Operator report payload plus traceId.

Offer object The offer object is sent in /promotions/campaigns/create.

Field	JSON value	Description
id	UUID string	Axis offer id.
createdAt	ISO timestamp string	Offer creation time.
updatedAt	ISO timestamp string	Last offer update time.
operatorId	UUID string	Axis operator id.
type	string	Promotion type. Values are listed above.
providerCode	string	Provider code configured in Axis.
scope	object	Eligible scope such as games, currencies, brands, markets, or player segments.
reward	object	Reward definition such as spins, bet amount, bonus amount, jackpot config, or provider-specific reward data.
providerOfferRef	string or null	Stable provider offer reference.
offerHash	string	Axis offer version/hash.
expiresAt	ISO timestamp string or null	Offer expiry time.
configSchema	object	Provider/operator configuration schema or free-form config definition.
available	boolean	Whether the offer can be used for new campaigns.
unavailableReason	string or null	Reason when available is false.
rawProviderResponse	JSON value or null	Original provider offer item stored by Axis.
metadata	object	Provider-specific metadata stored with the offer.

Campaign object The campaign object is sent with:

- /promotions/campaigns/create
- /promotions/campaigns/cancel
- /promotions/grants/create
- /promotions/grants/cancel

Field	JSON value	Description
id	UUID string	Axis campaign id.
createdAt	ISO timestamp string	Campaign creation time.
updatedAt	ISO timestamp string	Last campaign update time.
offerId	UUID string	Axis offer id used to create the campaign.
operatorId	UUID string	Axis operator id.
type	string	Promotion type. Values are listed above.
name	string	Campaign display name, max 160 chars.
status	string	Campaign status. Values: draft, validating, scheduled, active, processing, cancelled, expired, failed, partial.

Field	JSON value	Description
operatorReference	string or null	Operator campaign reference.
providerCode	string	Provider code configured in Axis.
providerCampaignRef	string or null	Provider campaign reference returned by provider. Null before the provider creates the campaign.
providerStatus	string or null	Provider campaign status returned by provider.
providerRawResponse	JSON value or null	Last raw provider response stored for this campaign.
scope	object	Campaign scope. If the operator sends an empty object, Axis uses the offer scope.
reward	object	Campaign reward. If the operator sends an empty object, Axis uses the offer reward.
schedule	object	Original schedule object from the operator request. May include <code>startsAt</code> , <code>endsAt</code> , and <code>timezone</code> .
startsAt	ISO timestamp string or null	Parsed campaign start time.
endsAt	ISO timestamp string or null	Parsed campaign end time.
providerConfig	object	Provider-specific campaign configuration.
idempotencyKey	string or null	Operator idempotency key for campaign creation.
metadata	object	Campaign metadata.

Grant object The grant object is sent in `/promotions/grants/create` and `/promotions/grants/cancel`.

Field	JSON value	Description
id	UUID string	Axis grant id.
createdAt	ISO timestamp string	Grant creation time.
updatedAt	ISO timestamp string	Last grant update time.
campaignId	UUID string	Axis campaign id.
operatorId	UUID string	Axis operator id.
providerCode	string	Provider code configured in Axis.
status	string	Grant status. Values: <code>pending</code> , <code>processing</code> , <code>active</code> , <code>used</code> , <code>finished</code> , <code>expired</code> , <code>cancelled</code> , <code>failed</code> .
playerId	UUID string or null	Axis player id when available.
playerUsername	string	Player username, max 128 chars.
playerExternalId	string or null	Operator/player external id when supplied.
operatorGrantReference	string or null	Operator grant reference.
providerGrantRef	string or null	Provider grant reference returned by provider. Null before the provider creates the grant.
providerStatus	string or null	Provider grant status returned by provider.
providerRawResponse	JSON value or null	Last raw provider response stored for this grant.
rewardSnapshot	object	Reward assigned to this player. If the operator does not override reward, Axis uses the campaign reward.
usedCount	integer	Number of consumed reward units recorded by Axis.
remainingCount	integer or null	Remaining reward count when Axis can derive it from the reward.
idempotencyKey	string or null	Operator idempotency key for grant creation.
metadata	object	Grant metadata.

3.3.3 Campaign Create

Request:

```
{
  "traceId": "fac5f1d7-d3fd-420a-9427-d384d4c4acc9",
  "offer": {
    "id": "88b7688d-3b81-4d74-b0b7-52bdb80fd049",
```

```

    "type": "free_bet",
    "providerCode": "acme-games",
    "providerOfferRef": "fs10-usd-web",
    "scope": { "games": ["acme-slot-100"] },
    "reward": { "spins": 10 },
    "configSchema": {},
    "metadata": {}
  },
  "campaign": {
    "id": "4364c972-39e3-4ce9-98cc-3fb34135fd7c",
    "offerId": "88b7688d-3b81-4d74-b0b7-52bdb80fd049",
    "operatorId": "5d7778e2-e86f-4173-9e11-7f0f3d23227e",
    "type": "free_bet",
    "name": "Weekend Free Spins",
    "status": "active",
    "operatorReference": "promo-2026-06",
    "providerCode": "acme-games",
    "scope": { "games": ["acme-slot-100"] },
    "reward": { "spins": 10 },
    "schedule": {
      "startsAt": "2026-06-03T12:00:00.000Z",
      "endsAt": "2026-06-10T12:00:00.000Z"
    },
    "providerConfig": {},
    "idempotencyKey": "campaign-2026-06",
    "metadata": {}
  },
  "providerConfig": {}
}

```

Provider response:

```

{
  "status": "OK",
  "message": "Campaign created.",
  "data": {
    "providerCampaignRef": "provider-campaign-10001",
    "providerStatus": "active"
  }
}

```

3.3.4 Campaign Cancel

```

{
  "traceId": "ec47a2d7-7261-4a2c-bdc0-77ce5f3a6633",
  "campaign": {
    "id": "4364c972-39e3-4ce9-98cc-3fb34135fd7c",
    "providerCode": "acme-games",
    "providerCampaignRef": "provider-campaign-10001",
    "status": "active",
    "metadata": {}
  }
}

```

Provider response:

```

{
  "status": "OK",
  "data": {
    "providerCampaignRef": "provider-campaign-10001",
    "providerStatus": "cancelled"
  }
}

```

3.3.5 Grant Create

```

{
  "traceId": "e3f9dc53-f5df-4acd-8705-a99d9de2fe51",
  "campaign": {
    "id": "4364c972-39e3-4ce9-98cc-3fb34135fd7c",

```

```

    "providerCampaignRef": "provider-campaign-10001",
    "providerCode": "acme-games",
    "status": "active",
    "reward": { "spins": 10 }
  },
  "grant": {
    "id": "9809f059-ecb5-4462-9a2d-2c7f98e2e888",
    "campaignId": "4364c972-39e3-4ce9-98cc-3fb34135fd7c",
    "operatorId": "5d7778e2-e86f-4173-9e11-7f0f3d23227e",
    "providerCode": "acme-games",
    "status": "active",
    "playerUsername": "player123",
    "playerExternalId": "external-player-123",
    "operatorGrantReference": "grant-2026-06-player123",
    "rewardSnapshot": { "spins": 5 },
    "remainingCount": 5,
    "idempotencyKey": "grant-2026-06-player123",
    "metadata": {}
  },
  "providerConfig": {}
}

```

Provider response:

```

{
  "status": "OK",
  "data": {
    "providerGrantRef": "provider-grant-20001",
    "providerStatus": "active"
  }
}

```

3.3.6 Grant Cancel

```

{
  "traceId": "09cf642e-caa1-461c-a1fd-2ce3dc18c53b",
  "campaign": {
    "id": "4364c972-39e3-4ce9-98cc-3fb34135fd7c",
    "providerCampaignRef": "provider-campaign-10001",
    "providerCode": "acme-games"
  },
  "grant": {
    "id": "9809f059-ecb5-4462-9a2d-2c7f98e2e888",
    "providerCode": "acme-games",
    "providerGrantRef": "provider-grant-20001",
    "playerUsername": "player123",
    "status": "active"
  }
}

```

Provider response:

```

{
  "status": "OK",
  "data": {
    "providerGrantRef": "provider-grant-20001",
    "providerStatus": "cancelled"
  }
}

```

3.3.7 Jackpot and Tournament Reports

Axis forwards the operator report payload plus the current `traceId`. Providers may return any JSON object useful for reconciliation and display.

Request:

```

{
  "traceId": "03c43944-f7cb-410f-91ec-cae4e3bf1b8b",
  "providerCode": "acme-games",

```

```
"from": "2026-06-01T00:00:00.000Z",  
"to": "2026-06-03T23:59:59.000Z",  
"options": {}  
}
```

Response:

```
{  
  "status": "OK",  
  "data": {  
    "items": [],  
    "generatedAt": "2026-06-03T12:00:00.000Z"  
  }  
}
```

4 Provider to Axis Endpoints

Axis provides the callback base URL for each environment. The endpoint paths below are relative to that base URL.

```
{axisCallbackBaseUrl}
```

All provider callbacks must be signed with `X-Provider-*` headers.

4.1 Response Envelope

Successful wallet and event callbacks return HTTP 200 with:

```
{
  "traceId": "1d8eb955-cdc2-4d43-a217-1b8b83fb9eb9",
  "status": "SC_OK",
  "message": "Successful response.",
  "data": {}
}
```

Validation failures return HTTP 400. Authentication failures return HTTP 401. Wallet business errors usually return HTTP 200 with a non-SC_OK status.

4.2 Wallet Status Values

Status	Meaning
SC_OK	Successful response.
SC_INSUFFICIENT_FUNDS	Player balance cannot cover debit.
SC_ACCOUNT_NOT_FOUND	Wallet account not found.
SC_USER_NOT_EXISTS	Session or user not found.
SC_WRONG_CURRENCY	Currency is invalid for the player/account.
SC_LIMIT_REACHED	Operator or player limit reached.
SC_INVALID_OPERATOR	Operator configuration is invalid or missing.
SC_INVALID_SIGNATURE	Wallet downstream signature error. Provider-to-Axis auth failures still use HTTP 401.
SC_INVALID_GAME	Game is invalid.
SC_INVALID_REQUEST	Business request is invalid.
SC_SYSTEM_ERROR	System error.
SC_DUPLICATE_TRANSACTION	Downstream wallet duplicate transaction response. Axis itself returns stored success for duplicate successful provider transaction ids.
SC_TRANSACTION_NOT_FOUND	Transaction not found.
SC_TRANSACTION_NOT_EXISTS	Transaction does not exist.

4.3 Common Field Rules

Field	Rule	Description
traceId	UUID	Required in every callback.
token	1-512 chars	Preferred session lookup key. Token is sent by Axis in launch.
providerSessionId	1-128 chars	Provider session id. Axis stores it when returned from launch or authenticate.
username	1-128 chars	Session lookup fallback. Requires currency when no token/provider session id is sent.
currency	3-6 uppercase chars	Required for transactions and username-only lookup.
amount	decimal string	Greater than zero, up to 6 decimal places. Examples: 1, 1.00, 1.123456.
metadata	object	Optional provider-specific data. Defaults to <code>\{\}</code> when omitted.

Session lookup rule: send `token` whenever possible. If `token` is unavailable, send `providerSessionId`. If both are unavailable, send `username` and `currency`.

4.4 Wallet Authenticate

Path: POST /wallet/authenticate

Field	Required	Description
traceId	yes	UUID.
token	yes	Axis session token from launch.
providerSessionId	no	Provider session id to store/update on the Axis session.
username	no	Player username.
currency	no	Currency code.
metadata	no	JSON object.

Request:

```
{
  "traceId": "cbac4edc-7ac2-47d0-97d5-21fd64c69e1f",
  "token": "axis-session-token",
  "providerSessionId": "provider-session-1",
  "username": "player123",
  "currency": "USD",
  "metadata": {}
}
```

Success data:

```
{
  "username": "player123",
  "currency": "USD",
  "balance": 100.5,
  "cashBalance": 100.5,
  "bonusBalance": 0,
  "token": "axis-session-token",
  "providerSessionId": "provider-session-1"
}
```

4.5 Wallet Balance

Path: POST /wallet/balance

Request fields are:

- common lookup fields,
- traceId,
- optional metadata.

At least one of token, providerSessionId, or username is required.

```
{
  "traceId": "da66322f-1ff2-45f2-bc5c-4bb76ed3a7b7",
  "token": "axis-session-token",
  "providerSessionId": "provider-session-1",
  "currency": "USD",
  "metadata": {}
}
```

Success data is the same as authenticate success data.

4.6 Wallet Debit

Path: POST /wallet/debit

Field	Required	Description
traceId	yes	UUID.

Field	Required	Description
token / providerSessionId / username	yes	Session lookup. Username-only lookup requires currency.
transactionId	yes	Provider debit id. Idempotency key, 1-128 chars.
roundId	yes	Provider round id, 1-128 chars.
gameCode	yes	Provider game code, 1-128 chars.
amount	yes	Positive decimal string.
currency	yes	Currency code.
eventId	no	Provider event id, 1-128 chars.
eventTime	no	ISO timestamp with offset.
metadata	no	JSON object.

```
{
  "traceId": "3e25a693-4cb2-424b-b2c2-116c6dc0f12e",
  "token": "axis-session-token",
  "providerSessionId": "provider-session-1",
  "transactionId": "provider-bet-1",
  "roundId": "round-1",
  "gameCode": "acme-slot-100",
  "amount": "1.00",
  "currency": "USD",
  "eventId": "event-1",
  "eventTime": "2026-06-03T12:00:00.000Z",
  "metadata": {}
}
```

Success data for debit, credit, debit-credit, rollback, and adjustment:

```
{
  "transactionId": "operator-wallet-transaction-1",
  "balance": 99.5,
  "currency": "USD"
}
```

4.7 Wallet Credit

Path: POST /wallet/credit

Fields are the same as debit, plus:

Field	Required	Description
isWin	no	Boolean. Defaults to true.

```
{
  "traceId": "b43f39f5-f505-4a1a-8821-85e448a92530",
  "token": "axis-session-token",
  "providerSessionId": "provider-session-1",
  "transactionId": "provider-win-1",
  "roundId": "round-1",
  "gameCode": "acme-slot-100",
  "amount": "2.00",
  "currency": "USD",
  "isWin": true,
  "metadata": {}
}
```

4.8 Wallet Debit-Credit

Path: POST /wallet/debit-credit

Use this endpoint when one provider event contains both bet and result.

Field	Required	Description
traceId	yes	UUID.
token / providerSessionId / username	yes	Session lookup.
debitTransactionId	yes	Provider debit id.
creditTransactionId	yes	Provider credit id.
roundId	yes	Provider round id.
gameCode	yes	Provider game code.
debitAmount	yes	Positive decimal string.
creditAmount	yes	Positive decimal string.
currency	yes	Currency code.
eventTime	no	ISO timestamp with offset.
metadata	no	JSON object.

```
{
  "traceId": "72e00c42-bf33-4339-bf80-3d03c950ed3b",
  "token": "axis-session-token",
  "providerSessionId": "provider-session-1",
  "debitTransactionId": "provider-bet-2",
  "creditTransactionId": "provider-win-2",
  "roundId": "round-2",
  "gameCode": "acme-slot-100",
  "debitAmount": "1.00",
  "creditAmount": "2.00",
  "currency": "USD",
  "eventTime": "2026-06-03T12:00:00.000Z",
  "metadata": {}
}
```

4.9 Wallet Rollback

Path: POST /wallet/rollback

Field	Required	Description
traceId	yes	UUID.
token / providerSessionId / username	yes	Session lookup. Inactive sessions may still be resolved for rollback.
transactionId	yes	Provider rollback id. Idempotency key.
originalTransactionId	yes	Original provider transaction id to rollback.
roundId	yes	Provider round id.
gameCode	yes	Provider game code.
amount	yes	Positive decimal string.
currency	yes	Currency code.
metadata	no	JSON object.

```
{
  "traceId": "6b0bd6b8-84d6-477b-8dc8-0cfc95e73701",
  "token": "axis-session-token",
  "providerSessionId": "provider-session-1",
  "transactionId": "provider-rollback-1",
  "originalTransactionId": "provider-bet-1",
  "roundId": "round-1",
  "gameCode": "acme-slot-100",
  "amount": "1.00",
  "currency": "USD",
  "metadata": {}
}
```

4.10 Wallet Adjustment

Path: POST /wallet/adjustment

Field	Required	Description
traceId	yes	UUID.
token / providerSessionId / username	yes	Session lookup. Inactive sessions may still be resolved for adjustment.
transactionId	yes	Provider adjustment id. Idempotency key.
amount	yes	Positive decimal string.
currency	yes	Currency code.
adjustmentType	no	REWARD, GIFT, or CANCEL_GIFT. Defaults to REWARD.
adjustmentTime	no	ISO timestamp with offset. Defaults to current Axis time.
originalTransactionId	no	Original provider transaction/reference if applicable.
metadata	no	JSON object.

```
{
  "traceId": "f56666b1-9918-4930-a438-405e03420c75",
  "token": "axis-session-token",
  "providerSessionId": "provider-session-1",
  "transactionId": "provider-reward-1",
  "amount": "3.00",
  "currency": "USD",
  "adjustmentType": "REWARD",
  "adjustmentTime": "2026-06-03T12:00:00.000Z",
  "metadata": {}
}
```

4.11 Session Terminate

Path: POST /wallet/session/terminate

Field	Required	Description
traceId	yes	UUID.
token / providerSessionId / username	yes	Session lookup. Username-only lookup requires currency.
currency	conditional	Required only for username-only lookup.
reason	no	Termination reason, 1-512 chars.

```
{
  "traceId": "d80b7445-0d06-47a9-9407-d15301c433ff",
  "token": "axis-session-token",
  "providerSessionId": "provider-session-1",
  "reason": "Provider session closed"
}
```

Success data:

```
{
  "providerSessionId": "provider-session-1"
}
```

4.12 Promotion Event Callback

Path: POST /promotions/events

Use this endpoint for provider-originated promotion lifecycle, settlement, jackpot, tournament, grant, or usage events.

Field	Required	Description
traceId	yes	UUID.
eventType	yes	Event type, 1-64 chars. Example: free_spins.granted.
providerRef	no	Provider event/reference id, 1-256 chars.
campaignRef	no	Provider campaign reference, 1-256 chars.
grantRef	no	Provider grant reference, 1-256 chars.
playerUsername	no	Player username, 1-128 chars.
payload	no	Event payload JSON object. Defaults to \{\}
occurredAt	no	ISO timestamp with offset. Defaults to current Axis time.
metadata	no	Provider-specific JSON object. Defaults to \{\}

```
{
  "traceId": "9d488da2-1d49-4a23-afec-12a32ea1c8c8",
  "eventType": "free_spins.granted",
  "providerRef": "provider-event-30001",
  "campaignRef": "provider-campaign-10001",
  "grantRef": "provider-grant-20001",
  "playerUsername": "player123",
  "payload": {
    "spins": 10,
    "remainingSpins": 10
  },
  "occurredAt": "2026-06-03T12:00:00.000Z",
  "metadata": {}
}
```

Success data:

```
{
  "accepted": true
}
```

5 Runtime Rules

5.1 Timeouts

Axis-to-provider HTTP requests use a default timeout of 5000 ms. Providers should target:

Flow	Target
Wallet callbacks to Axis	Provider should retry only after receiving no response or an ambiguous network failure.
Catalog, launch, promotion actions	Provider should respond within 5 seconds. Faster is preferred for launch.

5.2 Retry and Idempotency

Flow	Idempotency key	Expected retry behavior
Catalog	<code>traceId</code> for tracing only	Provider may recompute response.
Launch	<code>sessionToken</code>	If the same token is received again, provider should return the same playable session when possible.
Debit	<code>transactionId</code>	Retry with the same <code>transactionId</code> and a new nonce. Axis returns stored success after first successful debit.
Credit	<code>transactionId</code>	Retry with the same <code>transactionId</code> and a new nonce. Axis returns stored success after first successful credit.
Debit-credit	<code>debitTransactionId</code> , <code>creditTransactionId</code>	Each transaction id is idempotent independently.
Rollback	<code>rollback transactionId</code>	Retry with the same rollback id.
Adjustment	<code>transactionId</code>	Retry with the same adjustment id.
Promotion actions	Axis record id or idempotency key in the record	Provider should return existing provider reference/status for duplicate creates or cancels when possible.

Never create a new provider transaction id for the same player action after a timeout. Reuse the original transaction id and sign the retry with a fresh nonce.

5.3 Error Handling

- Provider-to-Axis authentication error: Axis returns HTTP 401.
- Provider-to-Axis validation error: Axis returns HTTP 400.
- Wallet business error: Axis returns HTTP 200 with non-SC_OK status.
- Axis-to-provider HTTP non-2xx: Axis treats the action as failed.
- Axis-to-provider malformed JSON: Axis treats the action as failed.
- Axis-to-provider launch without `launchUrl`: Axis treats launch as failed.