

Frontend Integration Guide: Connecting Frontend to Backend via Azure API Management (APIM)

1. Overview

Azure API Management (APIM) provides a secure, unified endpoint for frontend apps to call backend APIs.

Your frontend will call the APIM gateway URL instead of calling backend services directly.

2. What Frontend Developers Need to Use

- APIM Gateway URL (example: <https://.azure-api.net/>)
- API paths (example: `/v1/products`)
- Authentication method (Subscription Key / OAuth JWT / etc.)
- Required headers
- Example API calls

3. Steps for Frontend Integration

- Always call the APIM Gateway URL
- Ensure CORS is configured to allow frontend domain
- Include authentication headers:
 - Ocp-Apim-Subscription-Key:
 - OR Authorization: Bearer
- Handle standard API responses (200, 400, 401, 429, 500)

4. Example Javascript Code

```
fetch('https://my-apim-name.azure-api.net/api/v1/products', {
  method: 'GET',
  headers: {
    'Content-Type': 'application/json',
    'Ocp-Apim-Subscription-Key': "
  }
})
.then(res => res.json())
.then(data => console.log(data))
.catch(err => console.error('API error', err));
```

5. What You Must Receive from Backend/API Team

- Base APIM URLs (dev/prod)
- Authentication details
- Example request/response schema
- Error details
- Any required headers

6. Useful Microsoft Docs

- Import & publish APIs in APIM
- CORS policy for APIM
- SPA Authentication with OAuth/JWT via APIM