



Procurement Integration for APIs

Learn how to integrate with Dell's
fast, flexible, and secure APIs

APIs for Dell Premier Integration

It's never been easier or faster to integrate your company's IT Service Management (ITSM) system with Dell Premier. With the new library of Premier APIs, you can streamline your entire procurement process, from pricing to purchasing to order tracking.

Benefits include:

- Fully automate and remove complexity with end-user managed, self-service workflow
- Send orders directly to Dell from an ITSM platform
- Realize automatic approvals via persona-based purchasing controls
- Track and manage all phases of the purchasing cycle
- Increase employee satisfaction and faster employee productivity

Which APIs are available?

- Quote
- [Premier Catalog](#)
- [Global Catalog](#)
- [Purchase Order](#)
- [Order Status](#)

What is a REST API?

A REST API is a secure and standard interface that systems use to exchange information over the internet. Dell's Procurement APIs are built upon REST architectural principles.

Dell's Security Focus:

Dell APIs utilize the Layer7 API Gateway. This industry-standard product is a firewall and service gateway that controls how web services are exposed to and accessed by external client applications. The gateway provides runtime control over service-level authentication, authorization, key management, credentialing, integrity, confidentiality, schema validation, content inspection, data transformation, threat protection (including integration with external virus scanners for SOAP attachment scanning), routing, protocol switching, SLA enforcement, logging, and other functions.

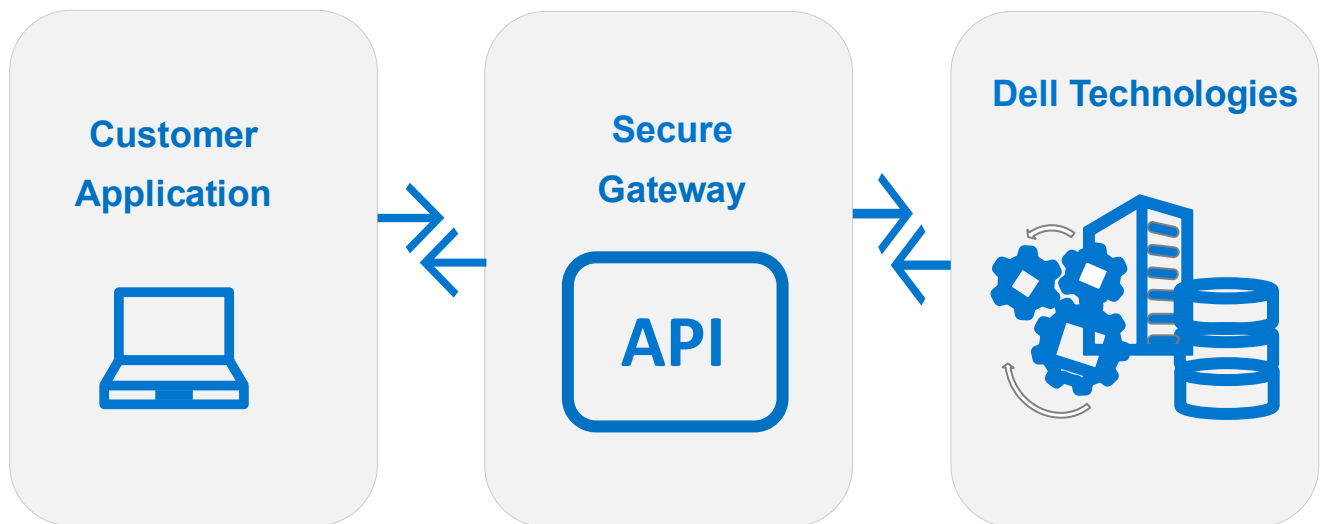
Dell's API Maintenance Practices:

There will be at least annual maintenance required by Dell and our customers to support a secure API integration.

- For your security, credentials will need to be renewed annually
- As Dell strives to evolve our API offerings, minor modifications may be required for continued usage of supported API versions

Ready to get started?

- Before you begin, please confirm that your company's ITSM platform or ERP system can support REST APIs and OAuth 2.0 security protocol.
- For assistance with API enablement, contact your Dell Sales Representative to get started.
- If you're not yet a Dell Premier customer, please visit the [Dell Premier Learn Page](#) to create a Premier account.



API Authentication

Retrieve Token

You will need to retrieve an authorization token to send requests to the Dell Procurement API endpoints. The response to each request will be sent in JSON format.

Access Token URL: <https://apigtwb2c.us.dell.com/auth/oauth/v2/token>

Request Body

Key	Value	Data Type
grant_type	Must be "Client Credentials"	string
client_ID	This will be provided by your Dell technical contact	string
client_Secret	This will be provided by your Dell technical contact	string

Response Body

Field	Description	Data Type
access_token	The requested access token as a signed JSON Web Token (JWT)	string
token_type	Bearer token	string
expires_in	How long the access token is valid (in seconds). The expiration default is 1 hour.	string
scope	Out of Band Authentication (OOB)	string

Responses and Errors

The below messages outline the types of responses you will receive from the API. We use standard HTTP responses.

Response	Description
2xx	The request was successfully received and accepted
3xx	Further action needs to be taken by the user to fulfill the request
4xx	There is an error in the request
5xx	The request structure was valid, but there was a data validation issue

Response Codes

Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not found
405	Method not allowed
500	Internal server error
503	Unavailable

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