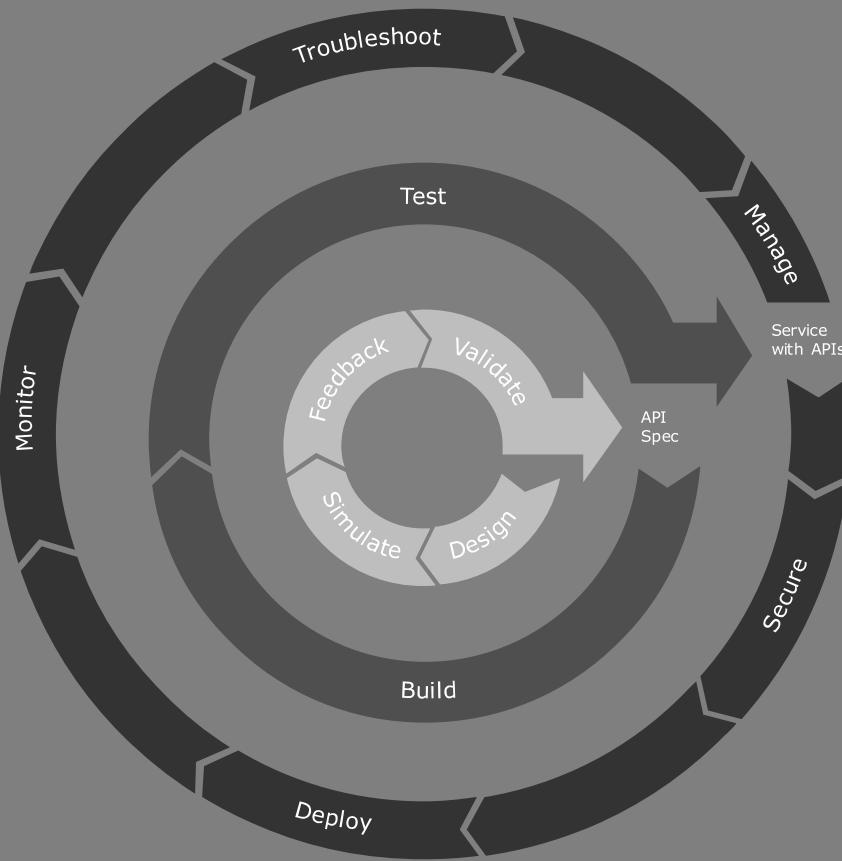




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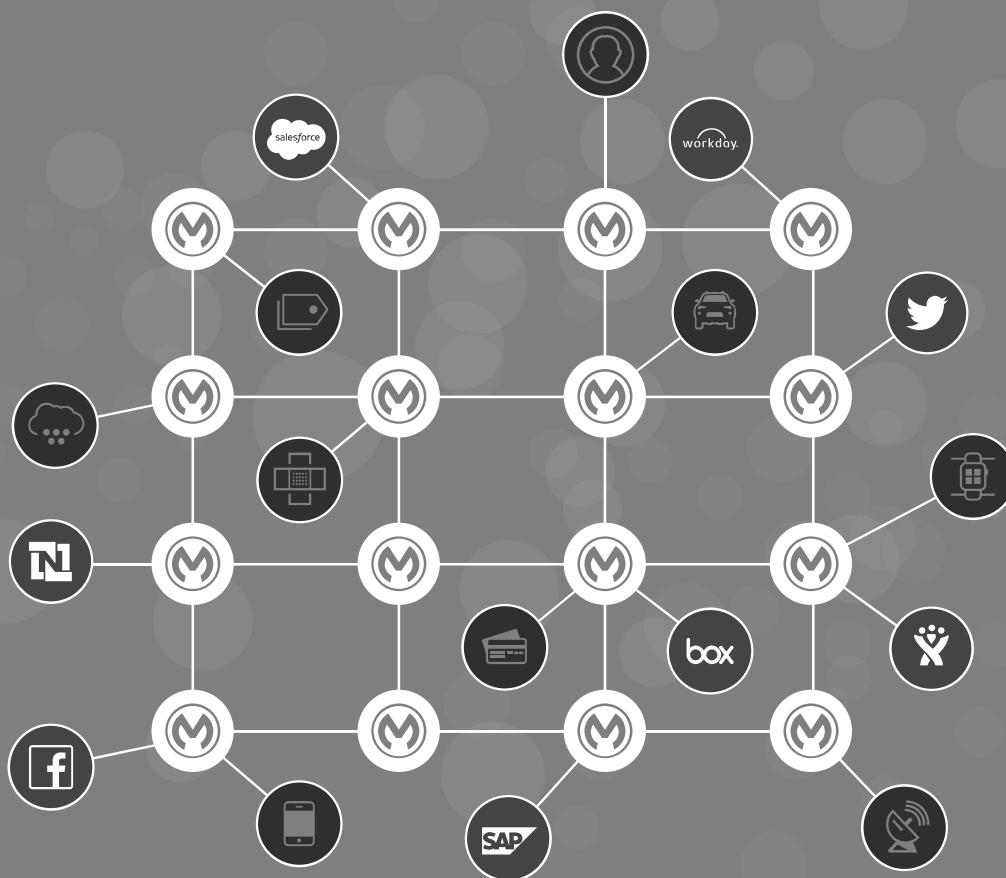
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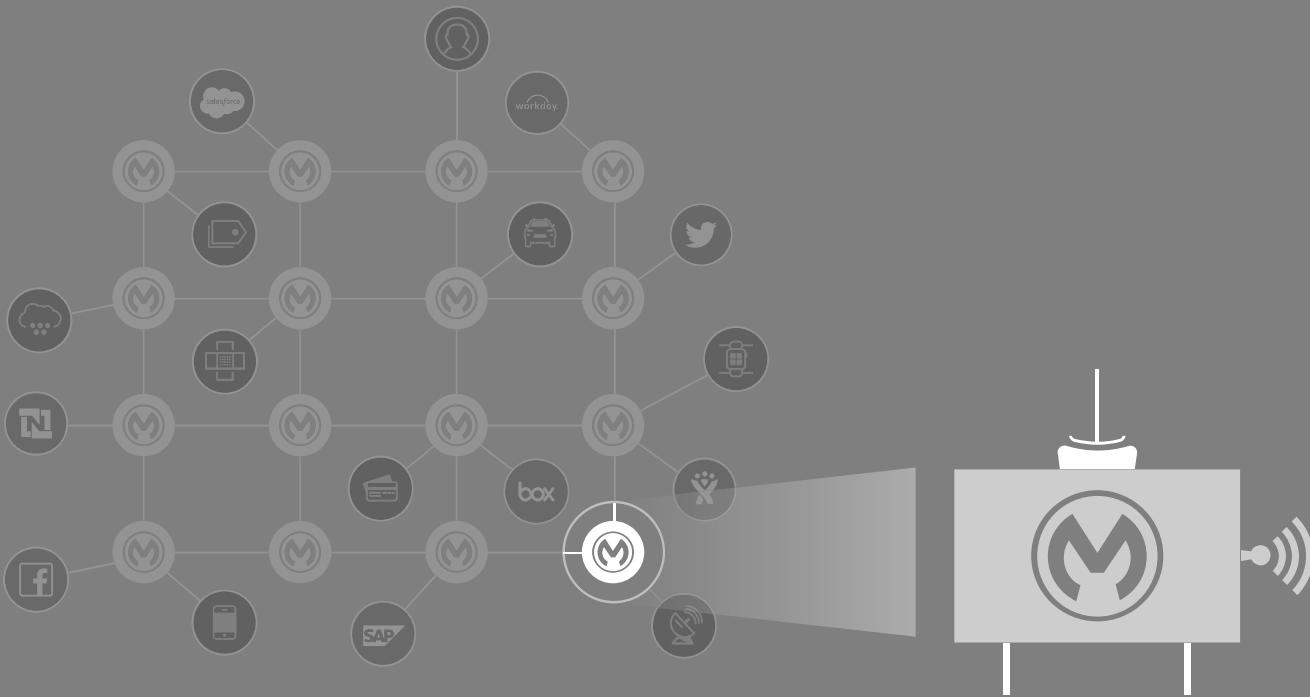
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Managing the full API lifecycle



Application building blocks
are key to enabling the
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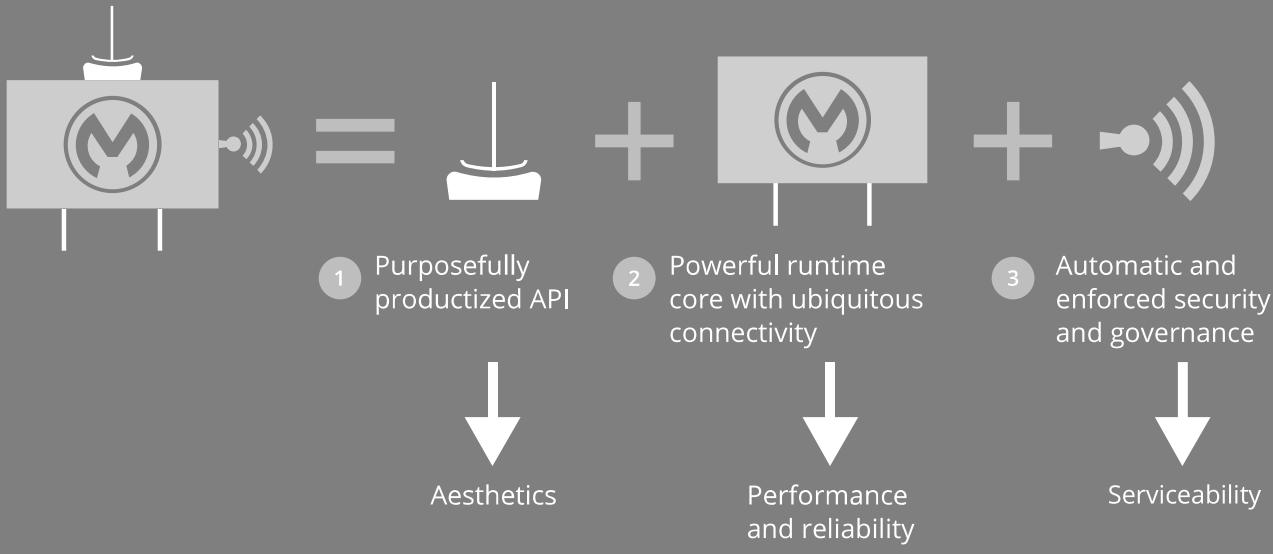
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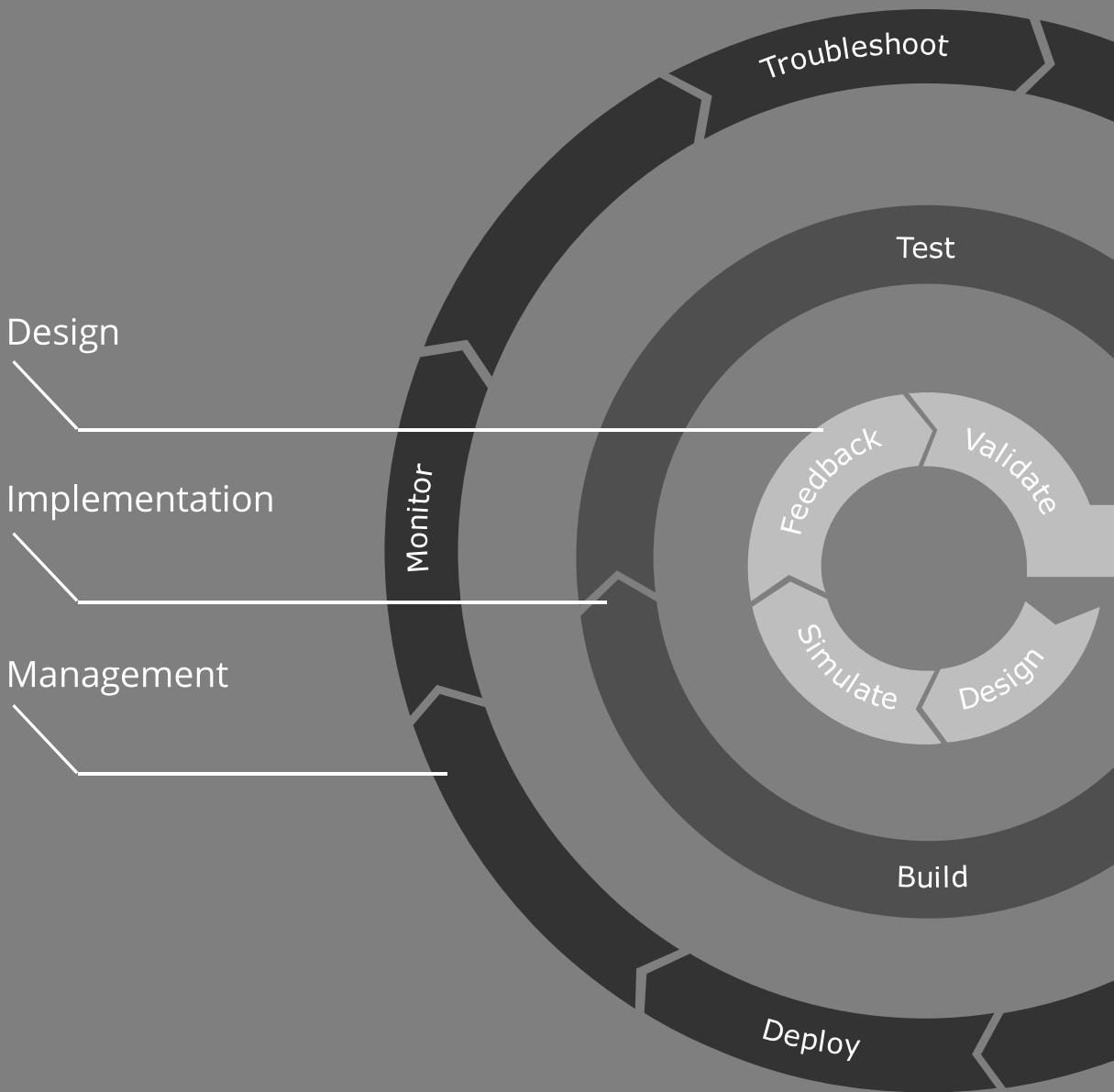
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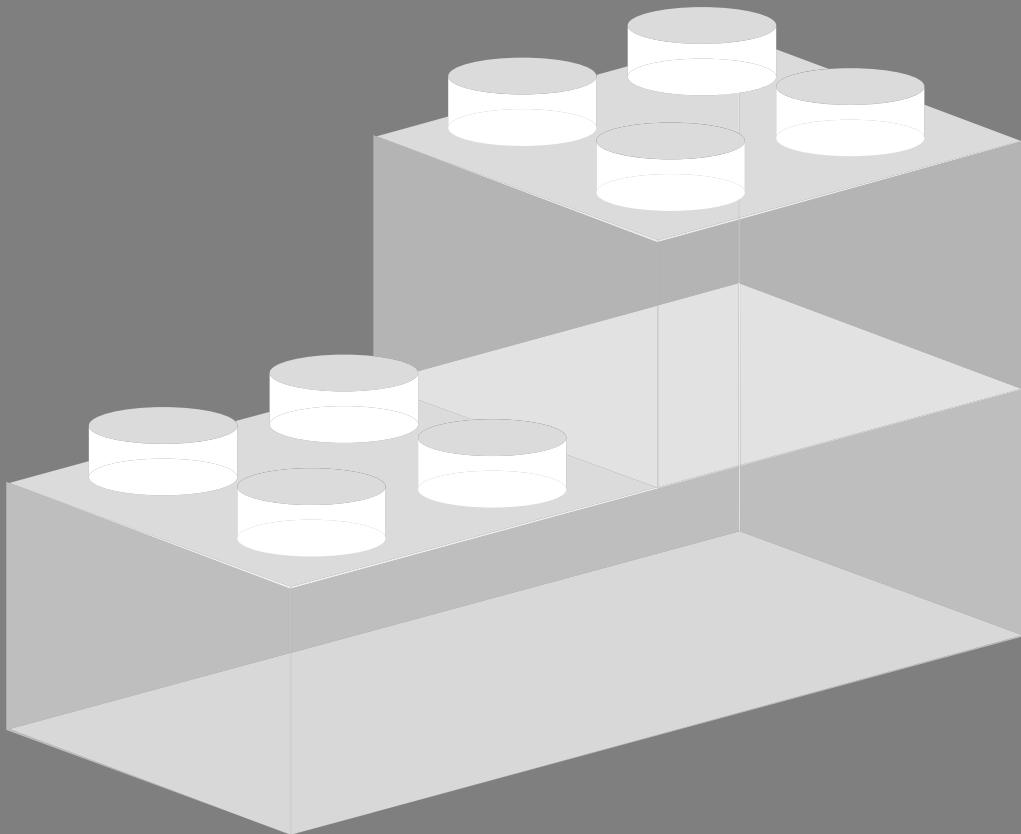
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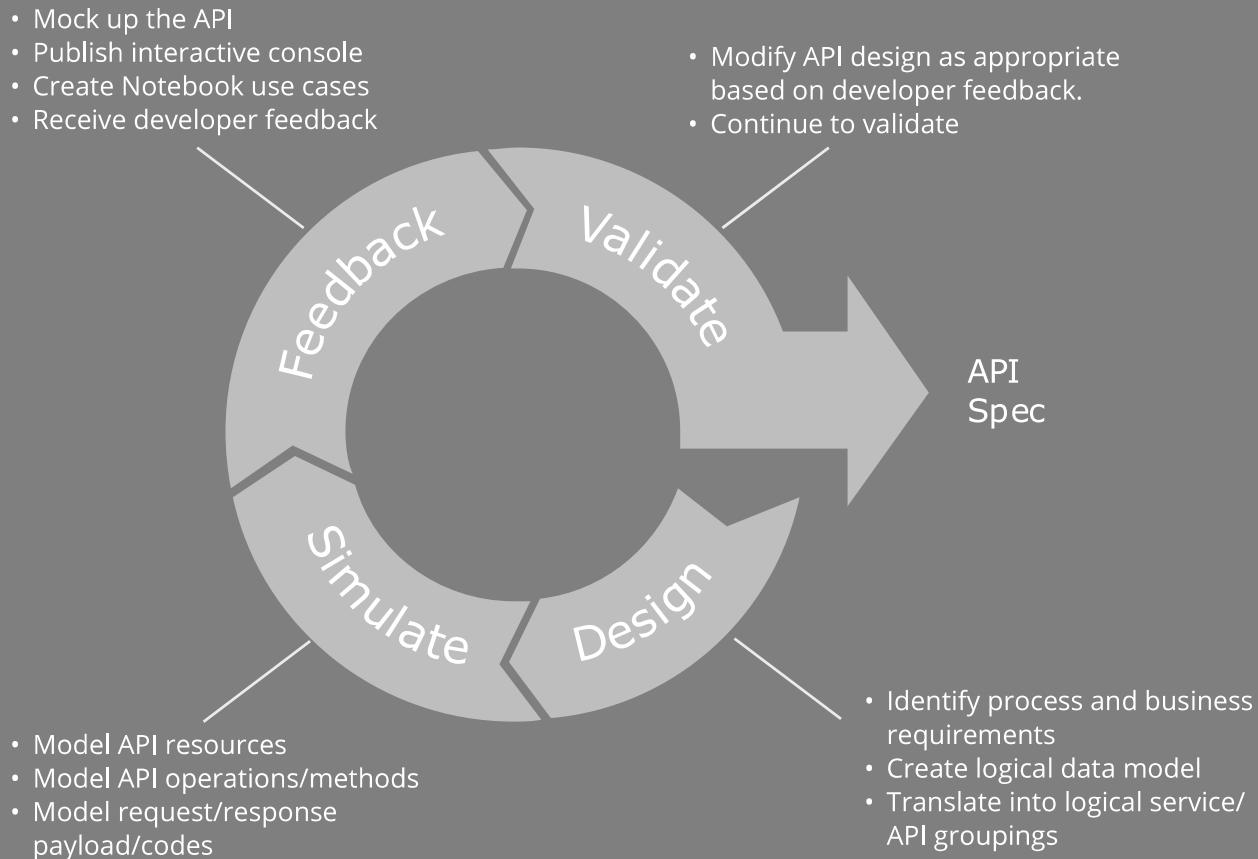


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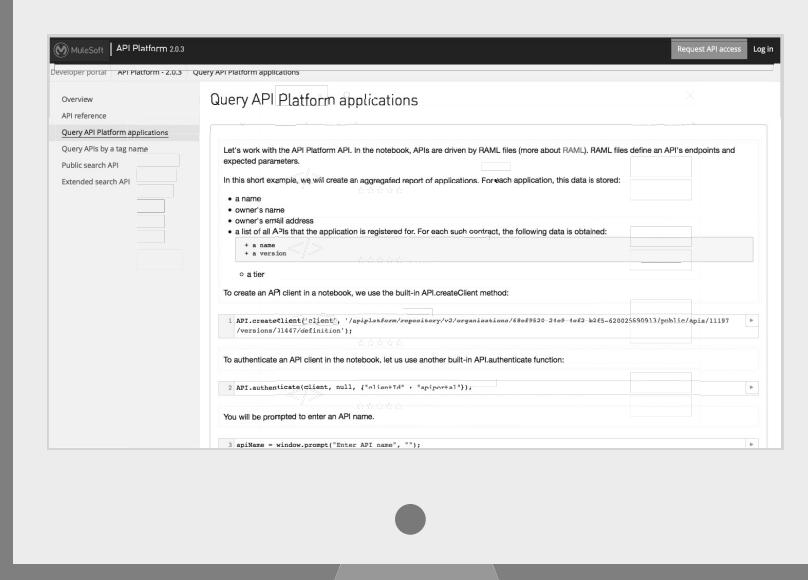
Managing the full API lifecycle

| Tips | What is API Notebook and why is it important?

Think of API Notebook as the artifact to convey the inspiration for what is possible with an API.

It serves as a client application – it calls one or more APIs; it is therefore a live use case in action, where one can easily mash up multiple APIs, experiment, tinker and see what can be built.

Another benefit of having a Notebook is that it also serves as a sort of testing sandbox for an API.



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Managing the full API lifecycle

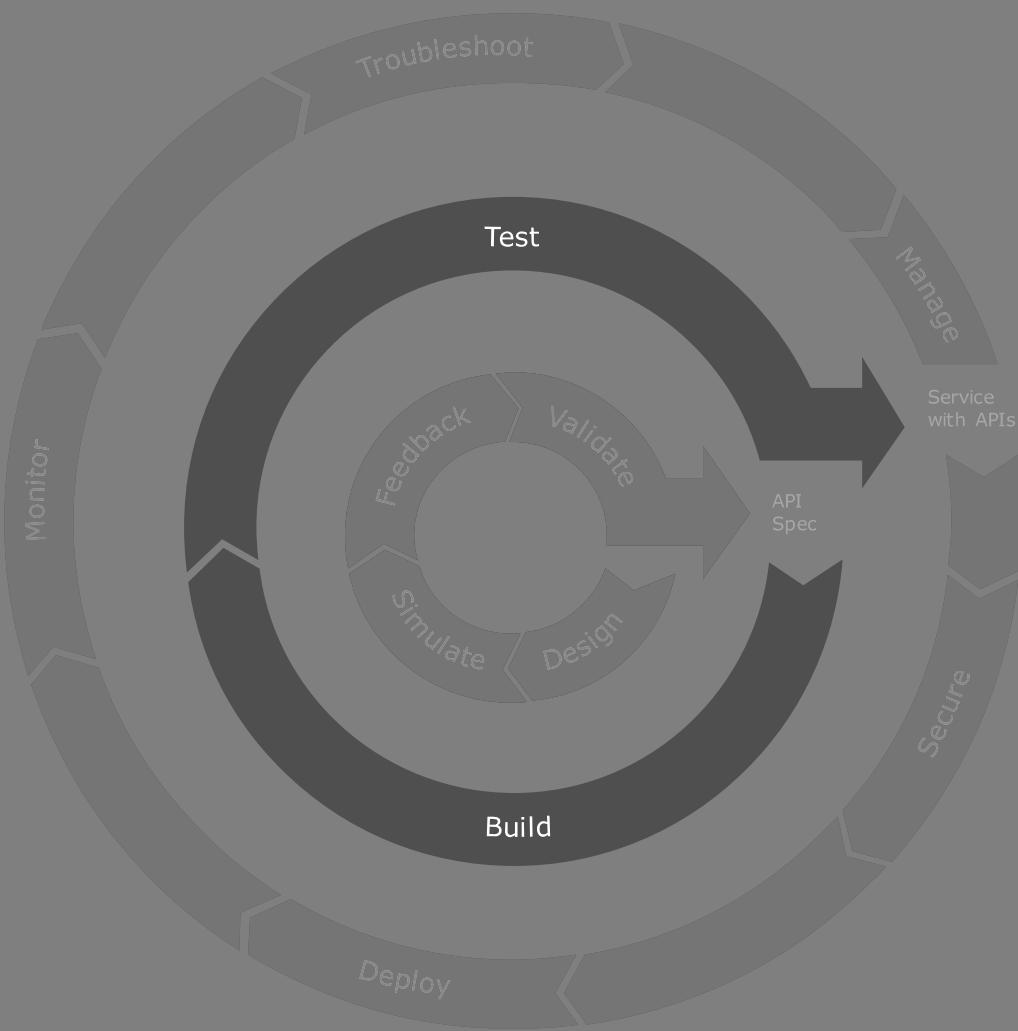
The screenshot shows the MuleSoft Exchange interface. At the top, there's a navigation bar with a menu icon, a search bar containing 'Exchange', and a close button. Below the search bar are filters for 'Status' (set to 'Published') and 'Scope' (set to 'All'). To the right, there's a 'Sort by' dropdown set to 'Rating'. On the left, a sidebar titled 'Show content from:' has 'Everywhere' selected. Under 'Show:', there are buttons for 'Connectors', 'Templates', 'Examples', 'RAMLs', 'WSDLs', and 'Others', with 'Others' being the active tab. Below this is a tree view under 'Object' with categories like Product, Account, Contact, Custom Object, Lead, Opportunity, User, Worker, Employee, Video, Demo, Products, and Salesforce, SAP, Siebel, Workday. The main area displays four API connector cards:

- Sending JSON to a JMS Queue** ([MuleSoft](#))
Learn how to connect to JMS Queues and Topics.
★★★★★ (5 votes)
- Salesforce Data Retrieval** ([MuleSoft](#))
Learn how to build a simple HTTP application to query Salesforce in a dynamic way.
★★★★★ (5 votes)
- Salesforce to Salesforce, Workday, SAP and Database Account Broadcast** ([MuleSoft](#))
Real time synchronization of accounts from one Salesforce.org to another as well as a Workday HCM instance, an SAP instance and a Database using a non-persistent JMS topic.
★★★★★ (5 votes)
- Extracting Data from LDAP** ([MuleSoft](#))
Learn how to connect to an LDAP directory using Mule and retrieve a list of users.
★★★★★ (4 votes)

Each card includes a 'Download' button and a 'View details' button.

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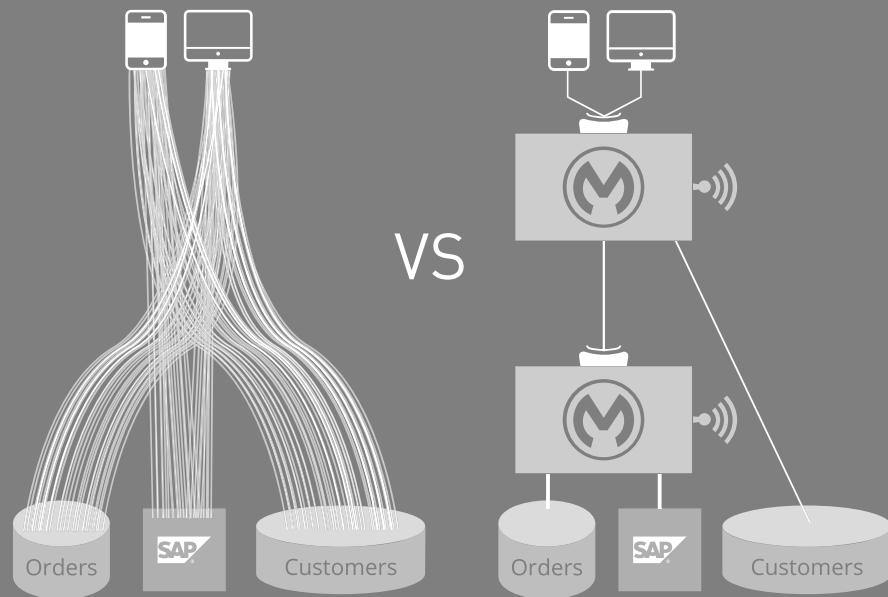
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| **Tips** | What do we mean by 'systematic' in this case? We see it as having the following architectural patterns easily available to the API developer:

- Orchestration
- Transformation
- Routing
- Data mapping
- Connectivity to popular SaaS, on-prem systems and data, file and other protocols

It also must be:

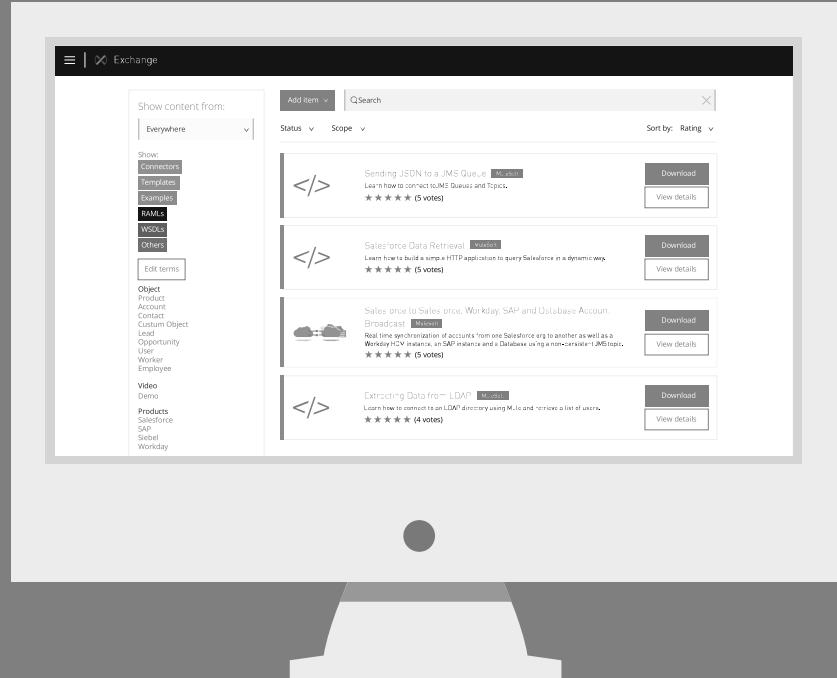
- Out of the box
- Pattern based
- Extendable and based on best practices



Managing the full API lifecycle

| Tips | Best practice patterns to be leveraged when creating new building blocks.

- popular database calls
- most commonly done transformations
- most popular workflows across multiple systems
- connections to popular SaaS and on-premise endpoints
- REST-SOAP transformations

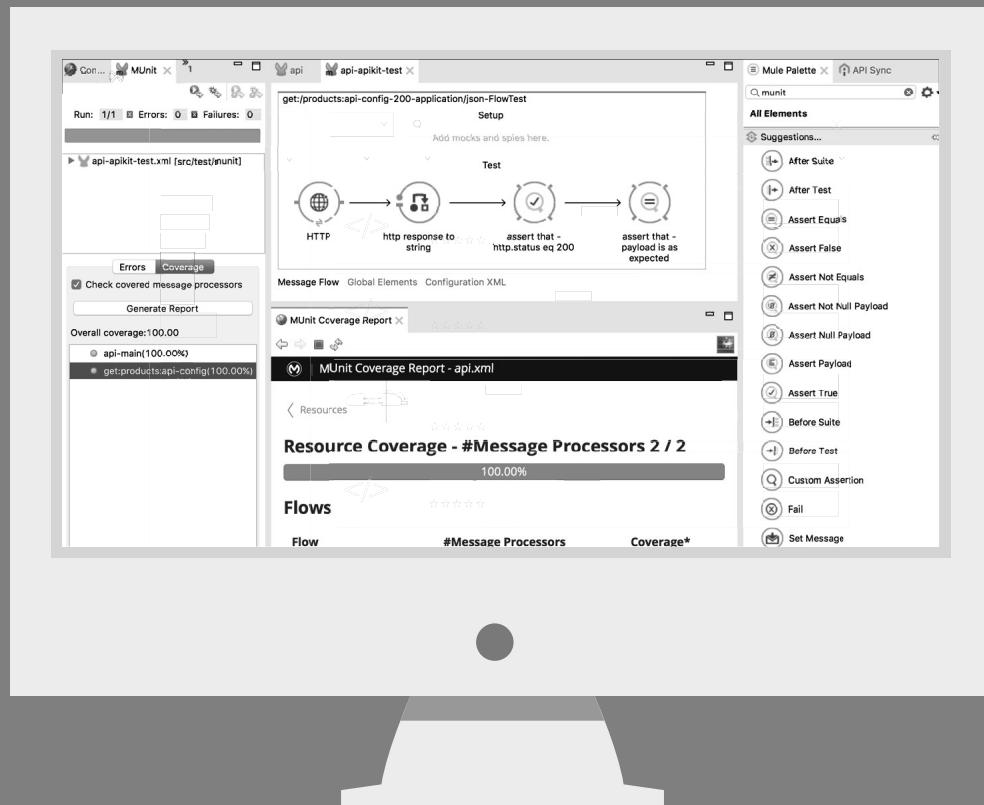


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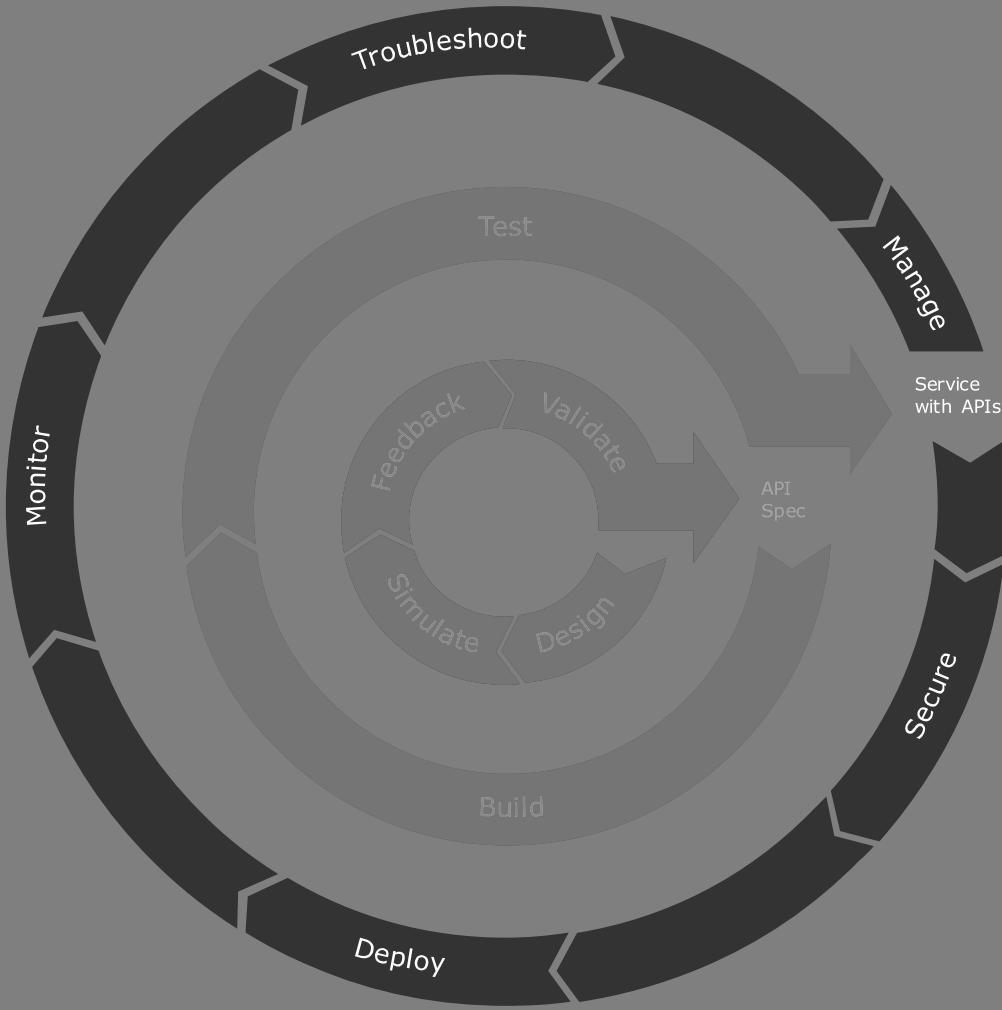


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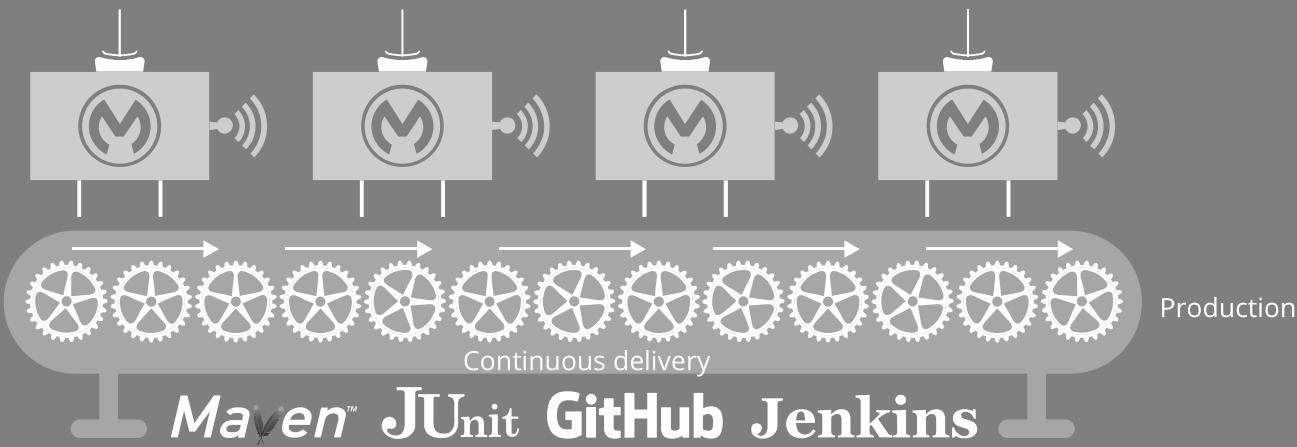
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| Tips |

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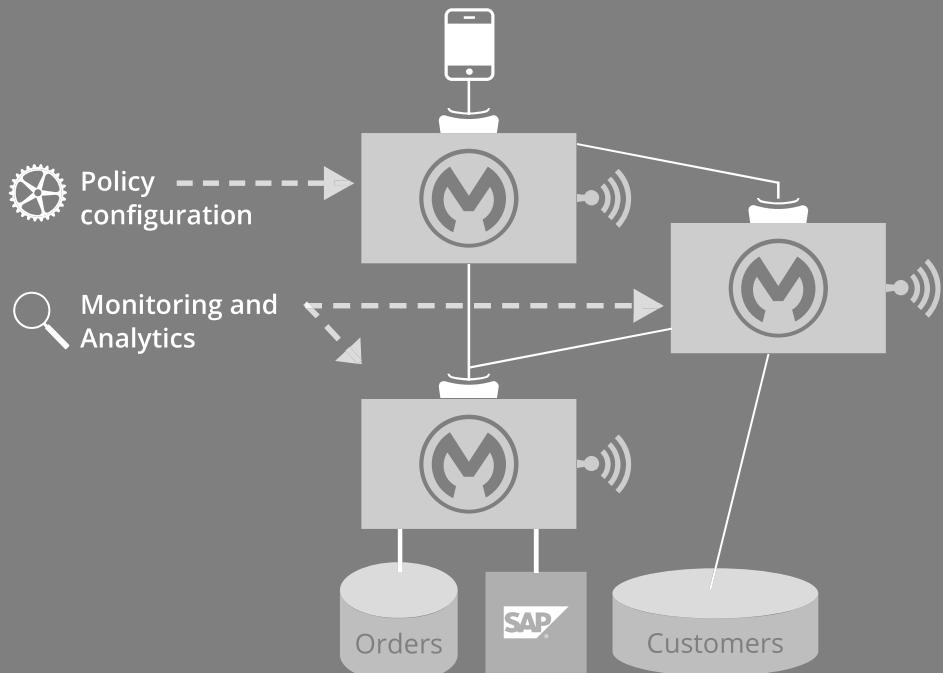
Examples

- Traffic management (eg, rate limit)
- Access Policies (eg., OAuth2)
- Identity policies
- Custom policies

Monitoring and Analytics

Examples

- Infrastructure logs
- Service uptime analysis
- Client consumption data
- Provider analytics



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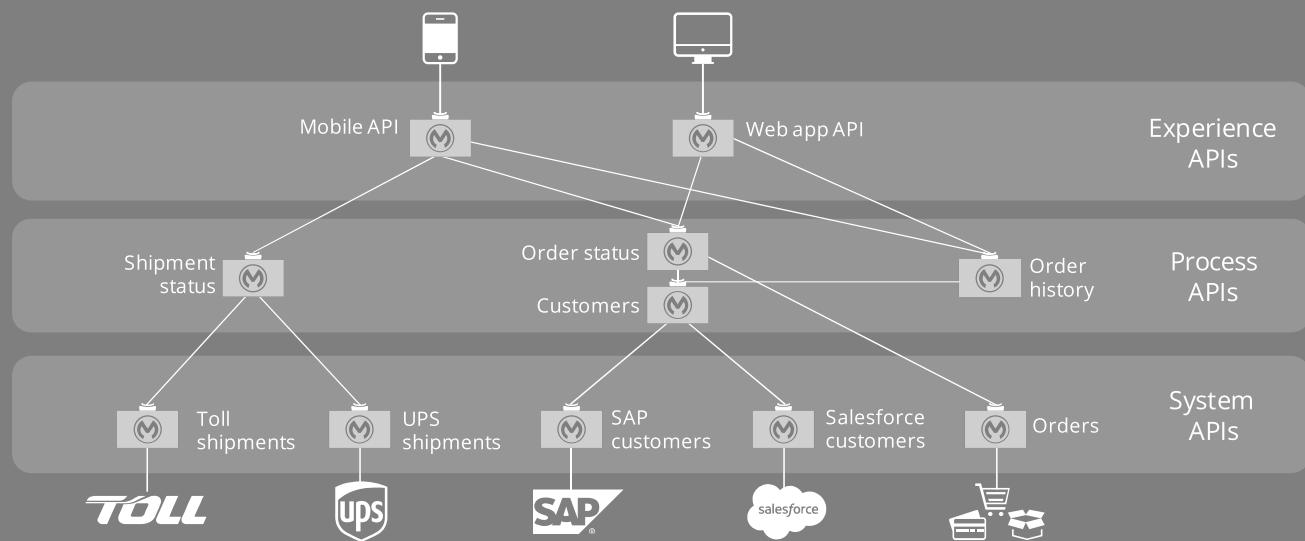
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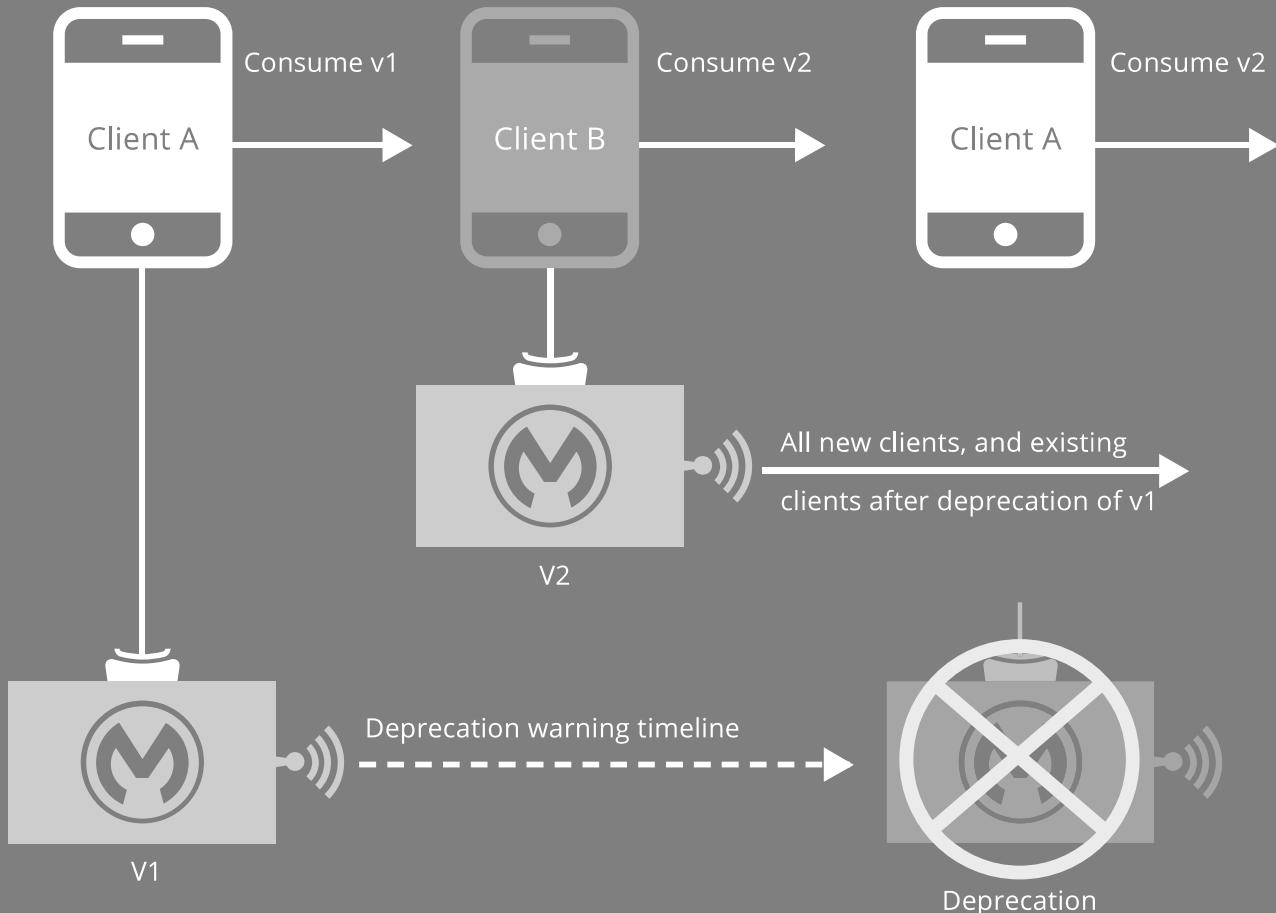
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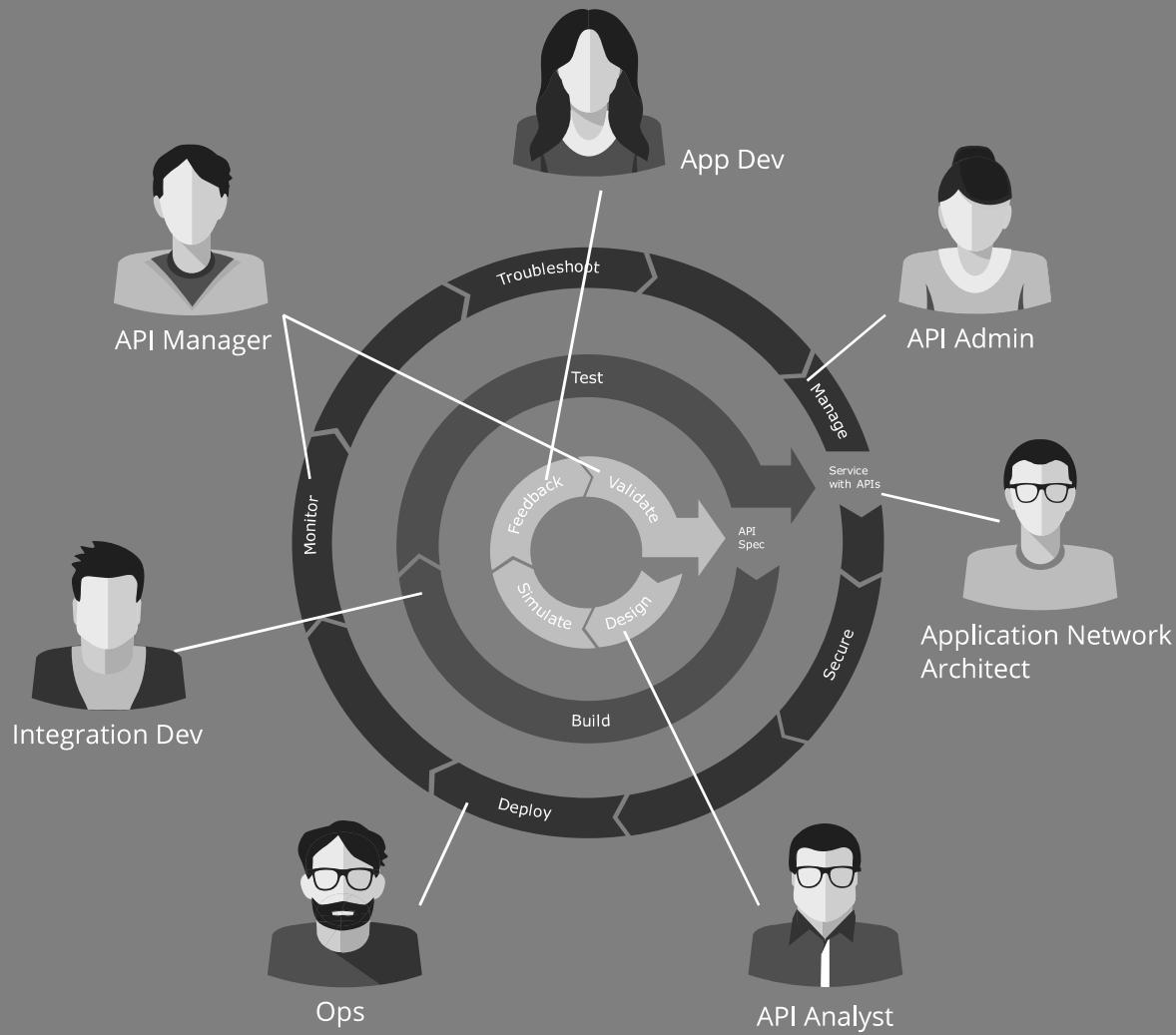
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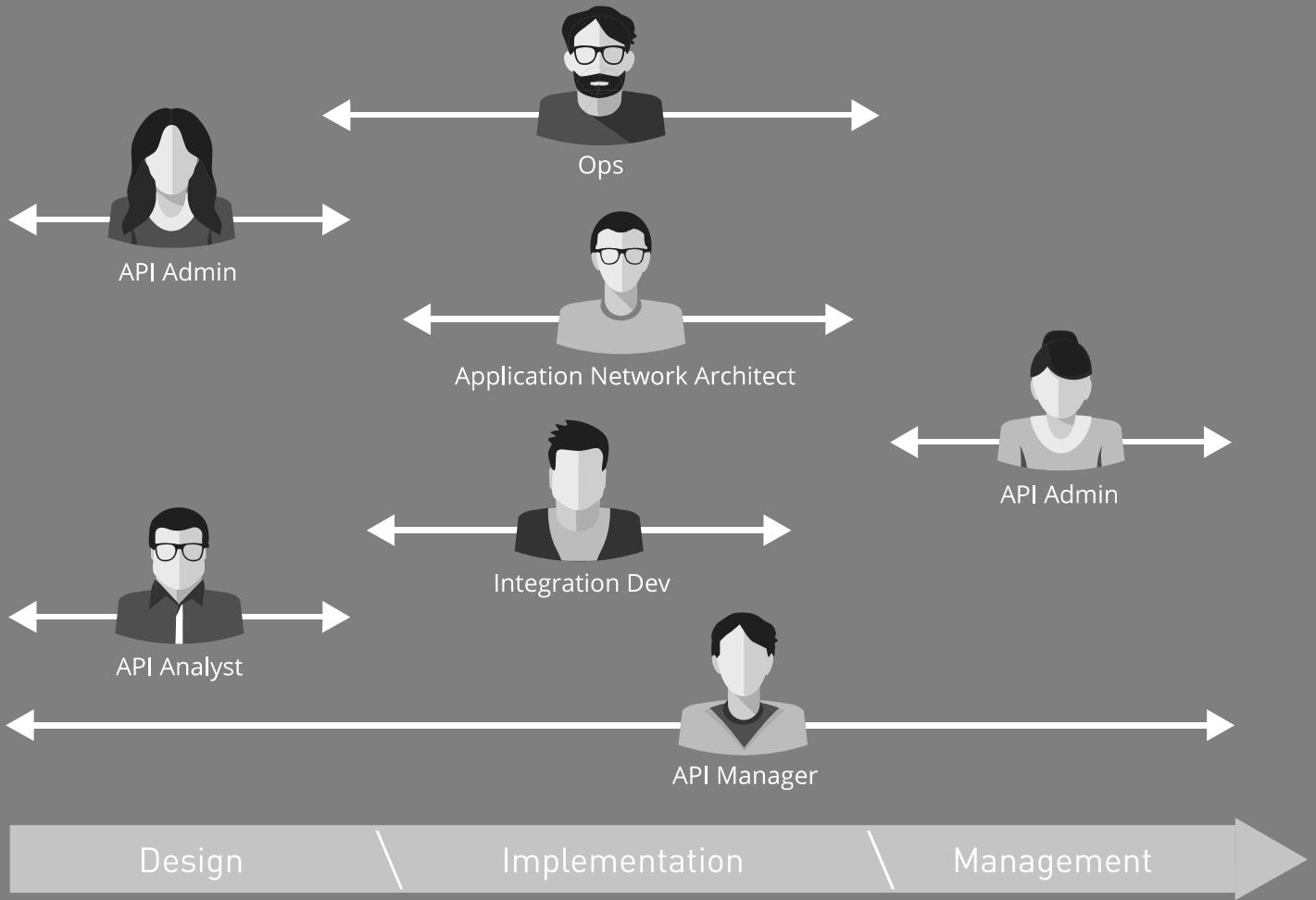
Managing the full API lifecycle



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Managing the full API lifecycle



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For more information
take a look at our website.
MuleSoft is a leader in SOA
resources and services.

Contact us to learn how we can help you manage the full lifecycle of your organization's integration needs.



MuleSoft

MuleSoft's mission is to make it easy to connect anything to anything else, from SaaS, SOA and mobile to Global 500 enterprises.