API M Website Page – Content and Web Page Structure

2017 Website v3.0 Effort for EDGEi Practice

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API M Services Web Page Content

Conditional Elements

The following items need to be completed in order to ensure that we can have the web page up and running,

- Make sure that the

www.miraclesoft.com/api

<Side Menu to consist of Miracle's Facebook Icons, API M Side Headings mentioned below, and 1 API M Library Artifact(Some case studies need to be deployed but we have a lot of resources)>

Side Headings will be,

API Management(Main Heading)
Our API M Offerings
Do you need APIs?
Product Comparison
Why Miracle

<Each side heading must be active when the user is on that page – maybe Miracle blue when active and black when not>

<mark>Note</mark> : No short links needed for other menu items; Only for /api main page

<Content for the /api page below>

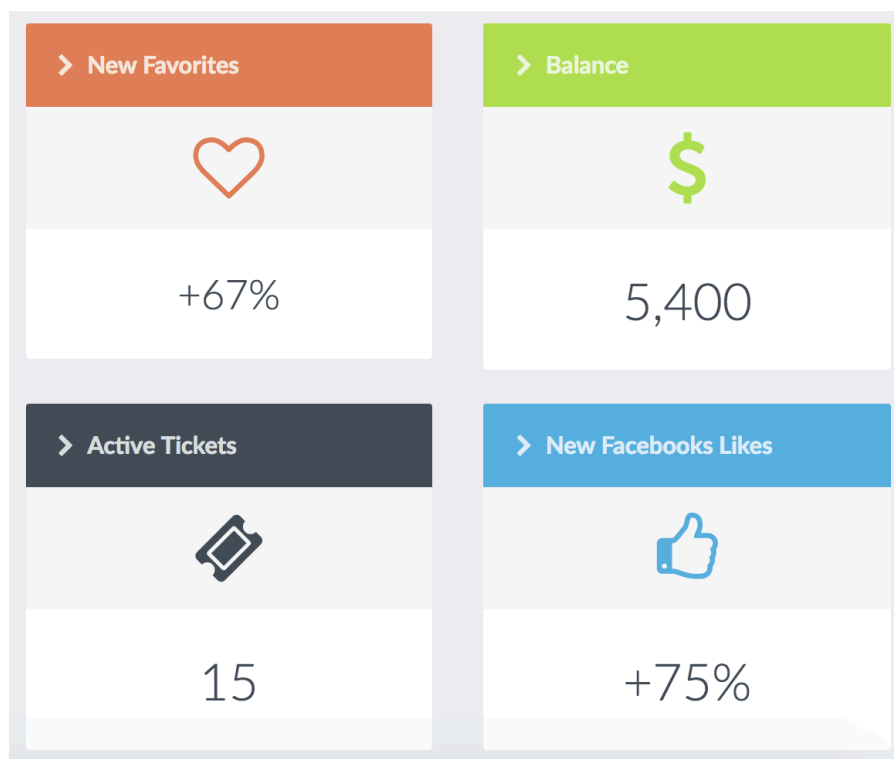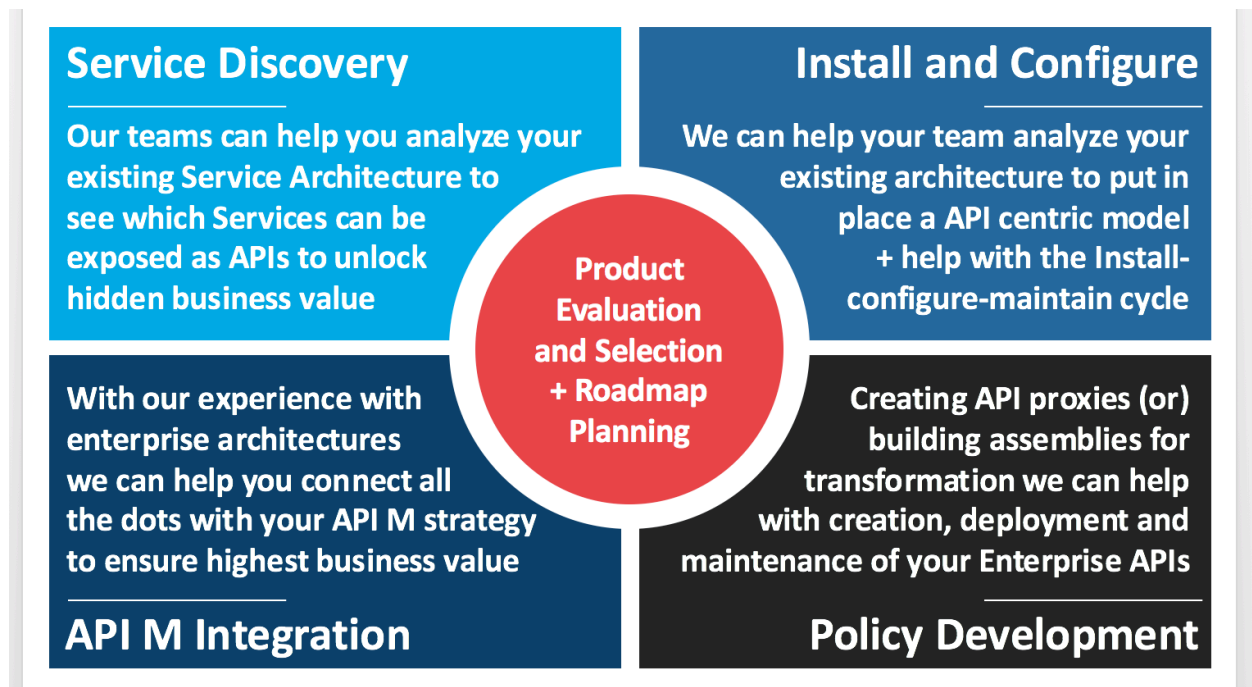<Title Header> API Management Offerings

With customers becoming more demanding than ever, enterprises are becoming more adventurous and blurring their boundaries rapidly. **So what is the API**

economy? Today every organization, large and small, is transforming digitally – from the Internet of Things to Mobility. In this digital economy, APIs act as the digital glue that helps enterprises deliver compelling experiences by connecting services, application and data.

A new definition of the **"Open Enterprise"** is being created, with new revenue models coming to light. The right API Management platform can help you create a secure, reliable channel to rapidly integrate and deliver new features in your applications.

<Miracle's Offerings – Use the below format from App UI to add the content that is there in the below slide; Title goes in the color piece and the content goes in the grey piece – 3-3-3-3 format>

> New Favorites	> Balance
♡	$
+67%	5,400

> Active Tickets	> New Facebooks Likes
🎫	👍
15	+75%

Service Discovery

Our teams can help you analyze your existing Service Architecture to see which Services can be exposed as APIs to unlock hidden business value

Install and Configure

We can help your team analyze your existing architecture to put in place a API centric model + help with the Install-configure-maintain cycle

Product Evaluation and Selection + Roadmap Planning

With our experience with enterprise architectures we can help you connect all the dots with your API M strategy to ensure highest business value

API M Integration

Creating API proxies (or) building assemblies for transformation we can help with creation, deployment and maintenance of your Enterprise APIs

Policy Development

<Below these 4 widgets put one widget which is 12 width and the following content>

<Widget Header> Product Evaluation and Roadmap Planning
<Widget Content> Through PoTs and Workshops we can help you evaluate and select the right platform for your API need, and can help plan your roadmap and API M strategy through discussions with product teams

<6-6 Format within the content space; Do not bleed into the side menu column – adjust column widths based on look and feel>

Column #1 with 6 width

We pride ourselves in being leaders at innovation and technology. Through our Integration Center of Excellence we help customers take a peek into the future. The team can assist with cutting edge research into the API Economy and solve future business problems with the available technology. We can also assist you with setting up an API Center of Excellence within your organization as well.

<Put a button – read more; Will be linked to Why Miracle – same page that is there is the side menu>

Column #2 with 6 width

<Put the below in code format using pre and code tags from Bootstrap>

```
{  "API CoE" :
        "Reference Architecture";
        "Reusable Services ";
        "Thought Leadership"
        "Infrastructure Implementations";
        "Service Governance";
        "Infrastructure Support";
        "Business Project Engagement";
        "Innovation and Thought Leadership";
};
```

<Start a new row for the next element described below>

<Section Title> Our Customer Stories

<Use the same format as used above for our offerings, but instead of the full color box with title on top put an image and in the below grey area put the case study title; This title should have a link so that it can take it to their resource depot page – The image on the top should be matching the industry of the case study; Put 3 case studies in 4-4-4 format>

<Start a new row for the next element described below>

<Section Title> Our API M Partners

Through our partnerships we can offer to you the perfect API M solution for your needs. We work closely with product teams from all of our partners to ensure

that we can offer the latest insights into roadmaps, strategy and feature additions.

<Again similar model as the above – Put grey on the top title and put the partner logo and below that change the grey area as color and put the following name mapping>

IBM - > IBM API Connect in Match to IBM Logo blue
Mulesoft - > Mulesoft Anypoint Platform in Black
CA – Layer 7 in Maybe green/Match to logo
Apigee -> Apigee Edge in Orange/Similar to their logo

For more information regarding our **API Management and Edge Integration** portfolio please reach out to **api@miraclesoft.com**.

Our API M Offerings

<Header Title> Our API M Offerings

From product evaluation to training, from implementation to innovation – Miracle is your trusted partner for digital transformation through the API Economy.

<Put the same 4 column offerings as what was put on the home page>
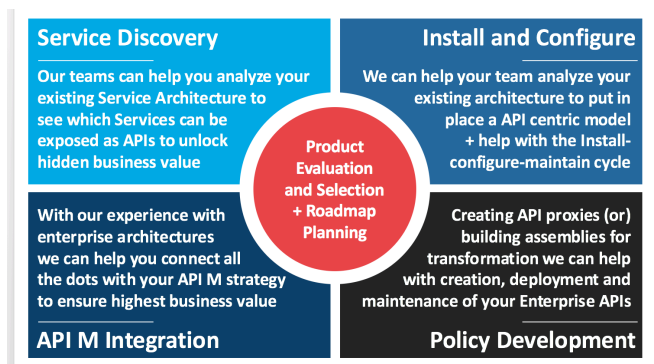
<6-6 Format put the following items>

<Section Header> Custom Training

Over the years Miracle has proven with various customers to be able to reduce the learning curve for enterprise technology by conducting F2F workshops with professional instructors. The workshops include hands-on development which enables your team members to be ready for future challenges.

Benefits of the training include,

- Availability of well-structured hands-on documentation
- Rapid enablement and learning on your in-house
- Identification of needs and changes in the technology
- Being able to identify business use cases through understanding

<Section Header> Proof of Technology

Are you wondering if the technology can support your use case and fir your existing enterprise architecture? Through our PoT and PoC offerings, delivered by our Center of Excellence and Research Labs, we will give you a chance to collaboratively work with our experts to provide ROI, feasibility and value of the solution and technology.
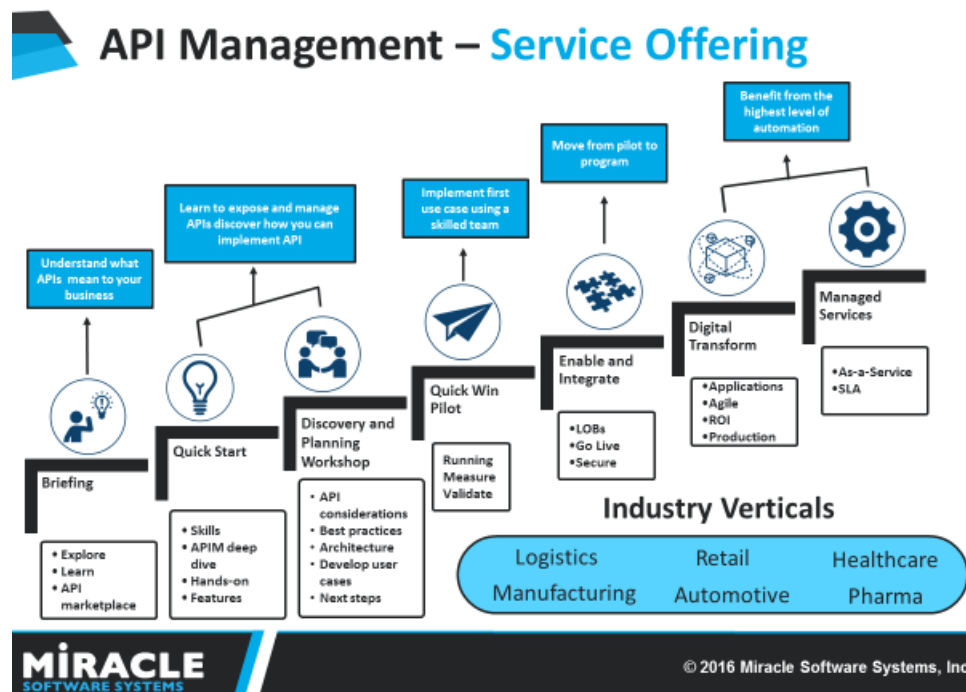
Benefits of the PoT Offering include,

- A collaborative approach to the PoT enables you to learn on the go
- Through the offering you can understand if the technology is right for you
- Your team learns through what is built and can understand more use cases

<Start new row from here>

<Section Title> Offering Engagement Cycle

<Put the following image without the top heading and the bottom industries box>

For more information regarding our **API Management and Edge Integration** portfolio please reach out to **api@miraclesoft.com**.
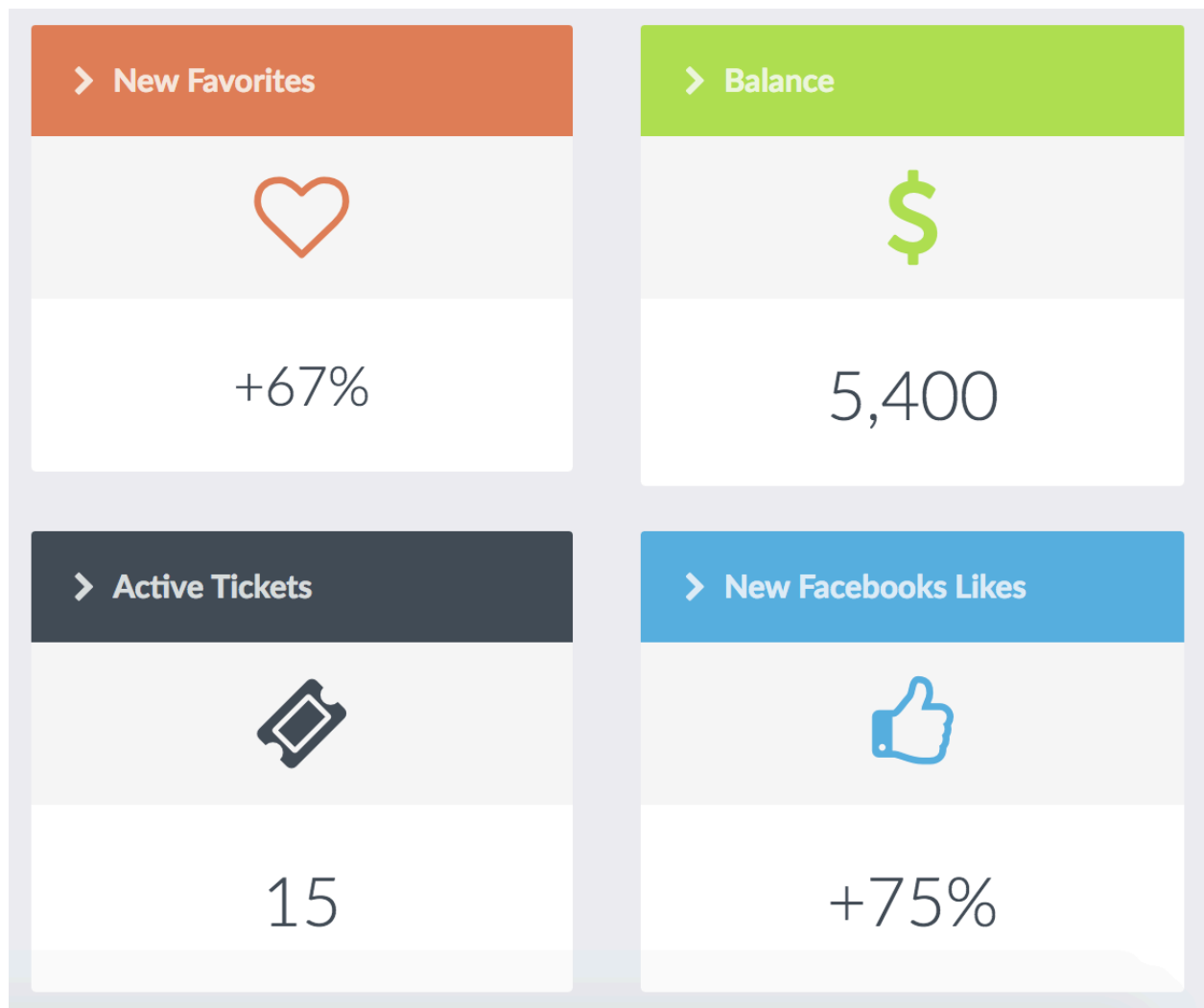
Do you need APIs?

Not every service needs to be exposed as an API, and not every API needs to have a public managed proxy. **So when do you need APIs, and what is the difference between SOA?**

<Section Title> Questions to be asked

<Use the below model to put the following content, 4-4-4 format>

> New Favorites	> Balance
♡	$
+67%	5,400

> Active Tickets	> New Facebooks Likes
🎟	👍
15	+75%

<Column Header> Questions

- What API **authoring capabilities** will you need?
- **Where** do I want my API Runtime to exist? **Cloud (or) On-Premise?**
- How much **security** and **run-time capabilities** will you need?
- What **data formats** do your payloads need to support?
- **Who** will be you API consumers and what sort of experience do they require?
- What existing business services do you have that you want to expose?

\<Column Header\> More Questions

- How easy is it to **push APIs** from Test to Dev to Prod?
- **How much control** do you have over the environment and deployment architecture?
- Does the product have built-in capabilities for **invoicing**, **monetization** and **payment processing**?
- How strong and flexible are the product's **API Policy Creation** and **Enforcement** capabilities?
- How **secure** is the API Gateway and Runtime?
- What is the level of logging and analysis available?
- What level of **insight** and **analytics** are given for APIs?

\<Column Header\> ..and some more!

- What **heterogeneous integrations** are possible such as LDAP, Service Repositories and Gateway integrations?
- What sort of product maintenance and roadmaps are available from the vendor?
- How large is the **development** and **support** community around the product?
- How deep is the **training**, **knowledge pool** and **talent pool** around the vendor's product offering?

\<You can adjust the questions from one column to another to make them the same height and looking good\>

**\<Section Title\>** Private (or) Public APIs?

\<Put the following table here\>

Requirements	Private API	Public API
Creation Criteria	Based on custom business logic, integration requirements during application development process	Tuned and designed as per the needs of the external partners and third party developers
Purpose of API Consumption	Increase internal app development productivity, integrate applications within and across Line of Business (LOB) resulting in streaming business operations	Increase partner business opportunities, create new business models, and in some cases, direct consumer integration
API Discovery	Can be published on the same developer platform used by other internal applications willing to consume the APIs	Should be published on a developer portal which has proper access rights to external developers and partners
API Subscription	Stringent subscription plan might not be required	Diverse subscription Plans are required for API consumers to subscribe to and then consume based on SLAs, Payment Plans etc.
API Policing	Metered, rate limited, coarse grained security control APIs based on Enterprise Line of business needs and access rights	Need fine grained API control around security, access, rate limits, SLAs, and access limits based on Partner usage models and subscription PLANs
API Access	May or may not need special tokens or keys to access the APIs. Depends on the sensitive nature of data being exposed	Need API Keys and security tokens to access the APIs
API Invocations	Usually High number of transaction/sec	Dependent on business requirements for access to external stakeholders and can implement throttling mechanisms as needed

<Section Title> Microservices, SOA and APIs

The future is microservices! Microservices are an architectural style to develop applications as a collection of small services that are running their own process, focusing on a narrow goal and communicating with lightweight protocols such as HTTP. **When APIs, Microservices and SOA all come together, the future will be truly here.**

<Recreate the below image here>
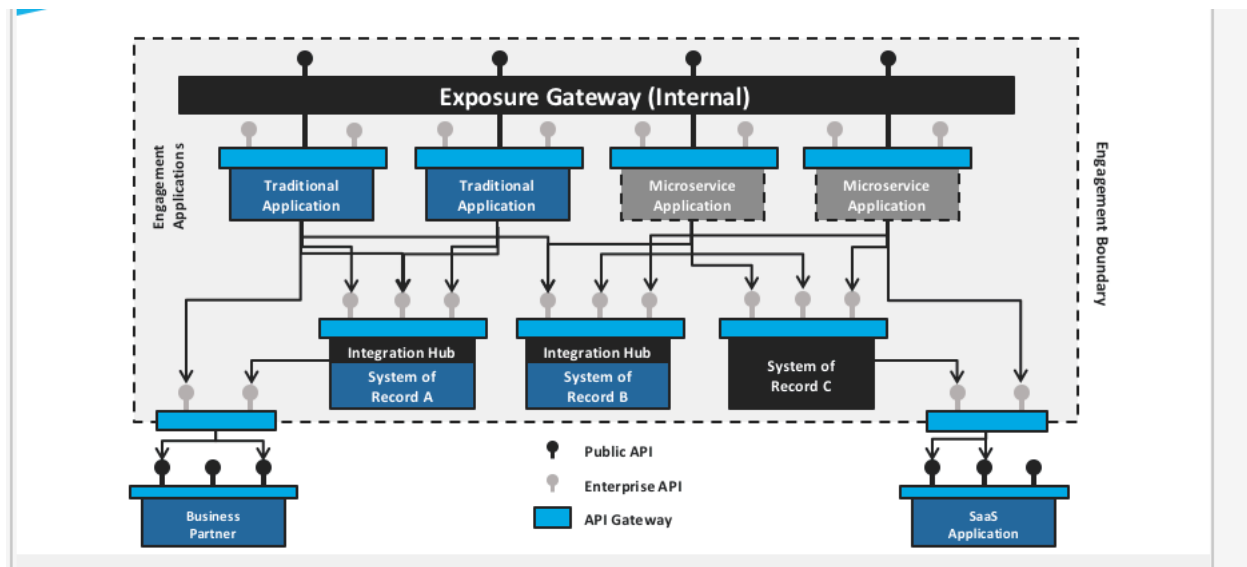
\<Section Title\> Comparing SOA and APIs

So back to the fundamental questions, why do we need APIs when we have SOA? While APIs are similar to SOA, they are the next good thing to happen for application integration.

\<Put the following table here\>

SOA	Microservices
An architectural pattern in computer software design in which application components provide services to other components via a communication protocol, typically over a network	A software architecture style in which complex applications are composed of small, independent processes communicating with each other using language - agnostic APIs
A service in SOA may have many responsibilities	A service in Microservices should be fine - grained and should only have a single responsibility
SOA is only using heavy-weight technologies and protocols (like SOAP, etc)	Microservices are the leaner, meaner, and a more agile approach (REST and AMQP)
SOA is more platform based and done more on premise	Microservices came into light with the evolution of SaaS and PaaS approach, more respected with Hybrid/Cloud Integration
SOA is always at the enterprise architecture level	Microservice is an application centric architecture, often referred to as decentralized services/API model
In SOA a product or platform is defined at the enterprise level	Microservices, you have the freedom to choose your own technology like (Node.JS, Java+MongoDB, etc.)

For more information regarding our **API Management and Edge Integration** portfolio please reach out to **api@miraclesoft.com**.

Product Comparison

<Page Header> Comparing API M Technology

<Put the following table on this page>

API-M Comparison

	IBM API Connect	Apigee	CA Layer 7	MuleSoft
Recommended API-M Product	API Connect Professional	APIGEE SMB EDGE	CA Layer 7 Essential	Mulesoft API Manager
Type and Security	Agent, Proxy	Proxy	Agent, Proxy	Proxy
API calls/month	5 Million/month (2000 API calls/$)	8 Million/month (3500 API calls/$)	Unlimited	Unlimited
Price	$2500/month	$2250/month	$2900/month 2 non prod instances 1 prod instances 1 Dev-portal and live creator	$74,000/Year 2 prod 4 Pre prod
Environments	3	3	4	4
SLA	99.9%	99.9%	99.9%	99.9%
Developer Centric	• Dev. Language Agnoistic • Developer Portal • REST and SOAP Support • Support to connect all the backend application using Connector.	• Dev. Language Agnoistic • Developer Portal • REST and SOAP Support. • Apigee supports only no-SQL backend .To connect any other backend ,we need call java/java script.	• Dev. Language Agonistic • Developer Portal • Live Creator • REST and SOAP Support • Support to connect all the backend application using Connector.	• Dev language agnostic • Developer Portal • RAML Support • Reuse and Patterns friendly • 160 + connectors available to connect to backend application. • Supports custom policies
Scalability	Yes	Yes	Yes	Highly scalables,supports clusters and grids.
API LifeCycle/Release Management	Yes	Yes	Yes	Yes, provides design first approach of mocking , design and testing.

<Section Title> Our API M Partners

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Why Miracle

With over 22 years of experience delivering innovative solutions for enterprise customers, Miracle's Hybrid Delivery approach is best suited for your Digital Transformation needs. Our understanding of the industry and technology enable us to deliver value added services that will help augment your team to deliver game changing experiences.

<Section Title> Our Differentiators

- Reusable framework for build, deploy, and management of API proxies using **Jenkins, GitHub, JMeter, and Maven**
- Framework to monitor and analyze API logs through **Miracle's Enterprise Monitoring Framework (MEMF)**
- Custom tools to convert API proxies into YAML extensions
- Best practices on **REST** security implementation using **TLS/OAuth/HMAC**
- Best practices and comparison between SOA governance vs API governance
- Accelerator to perform XML parsing, XML schema validation, xPath routing, XSLT, XML compression, and other essential XML processing with wire speed XML performance
- Accelerators on exception handling, re-processing and journaling
- Accelerators on logging and monitoring, service orchestration, and MQ based use cases

- Re-usable **security framework** that can support **REST/SOAP** based calls
- Large message processing handling accelerators using **MTOM/SOAP** with attachment techniques
- Automated deployment scripts using **DCM/ANT/SOMA** scripts from development to SIT to performance and production environments
- Maintenance scripts for enabling objects, start/stop front side handlers, and deployment policies
- Accelerator to perform security and validation on a request or response to offload these tasks from the back-end web service
- Accelerator to authenticate and authorize web service request with WS-security username and binary security tokens, HTTP authorization header claims and SAML assertions
- Enabling message confidentiality using XML encryption

<Section Title> Our Customer Stories

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