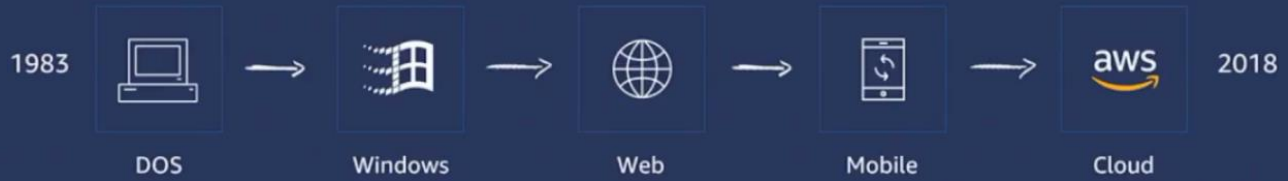


Intuit has 3 products that serves 2 broad groups of customers.

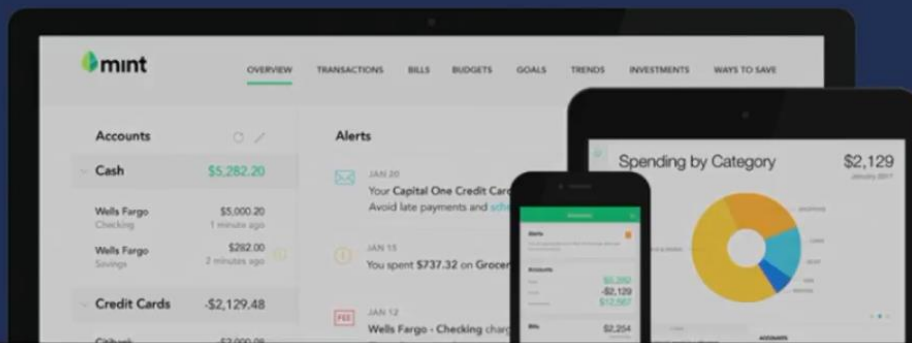


Solving financial problems for 35 years



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All-in on AWS since 2013



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Intuit leverages the full power of AWS

Snowball	Kinesis Firehose	ElastiCache	EFS	CodePipeline	Machine Learning
DMS	Kinesis Analytics	CloudWatch	CloudHSM	QuickSight	SageMaker
S3	Glue	Elasticsearch Service	Shield	WorkDocs	Lex
Data Pipeline	X-Ray	CloudFront	CloudSearch	Service Catalog	Rekognition
DynamoDB	Athena	VPC	Config	CodeBuild	Comprehend
DAX	IoT	KMS	Directory Service	API Gateway	Step Functions
RDS	EC2	Direct Connect	SES	Device Farm	CodeDeploy
Redshift	ECS	Route 53	WAF	Lightsail	Elastic Transcoder
EMR	Lambda	Macie	WorkSpaces	CodeCommit	Inspector
Kinesis	CloudTrail	SQS	SNS	WorkMail	Connect

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The AWS advantage

Elasticity

Fast deployment

Data lake and
advanced analytics

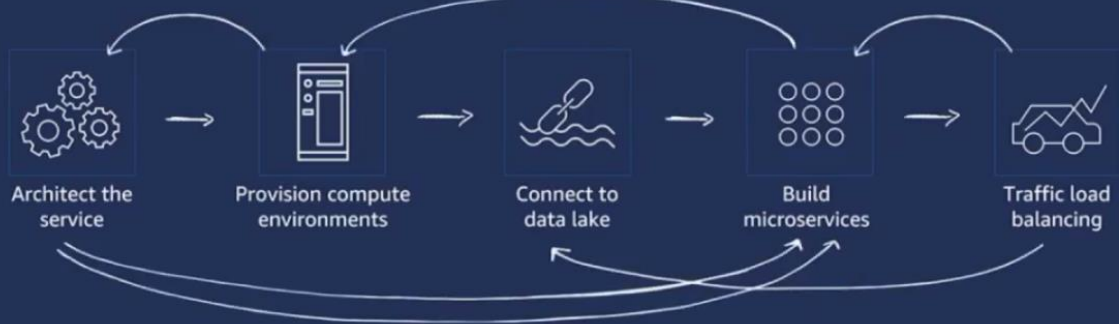
Machine learning
and AI

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Getting machine learning into production...

Getting machine learning into production...

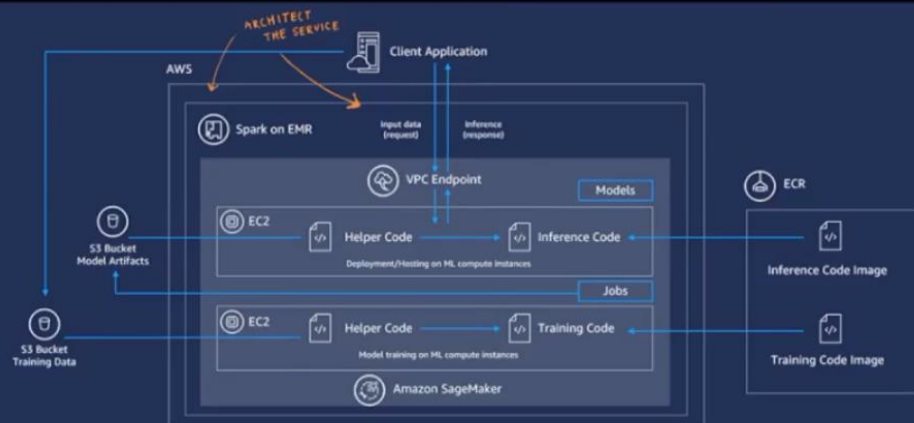
Machine learning the old way



After Amazon SageMaker

Data scientists can just be data scientists.

Intuit +
Amazon
SageMaker



The diagram illustrates the architecture for Intuit + Amazon SageMaker, showing the flow of data and services across AWS components.

Key Components and Flow:

- Client Application:** Interacts with the SageMaker environment via **Input data (Request)** and **Inference (Response)**.
- Spark on EMR:** Processes **Input data (Request)** and sends **Inference (Response)** to the **VPC Endpoint**.
- VPC Endpoint:** Acts as a bridge between the Client Application and the SageMaker environment.
- EC2 Instances:**
 - Helper Code:** Used for **Deployment/Hosting on ML compute instances**.
 - Inference Code:** Used for **Inference**.
 - Training Code:** Used for **Model training on ML compute instances**.
- Amazon SageMaker:** Manages the **Models** and **Jobs**.
- S3 Buckets:**
 - S3 Bucket Model Artifacts:** Stores model artifacts.
 - S3 Bucket Training Data:** Stores training data.
- ECR (Elastic Container Registry):** Stores **Inference Code Image** and **Training Code Image**.

Handwritten Annotations:

- CONNECT TO DATA LAKE:** Points to the S3 Buckets.
- ARCHITECT THE SERVICE:** Points to the Spark on EMR and VPC Endpoint.
- BUILD MICROSERVICES:** Points to the EC2 instances.
- TRAFFIC LOAD BALANCING:** Points to the VPC Endpoint.
- PROVISION COMPUTE:** Points to the EC2 instances.

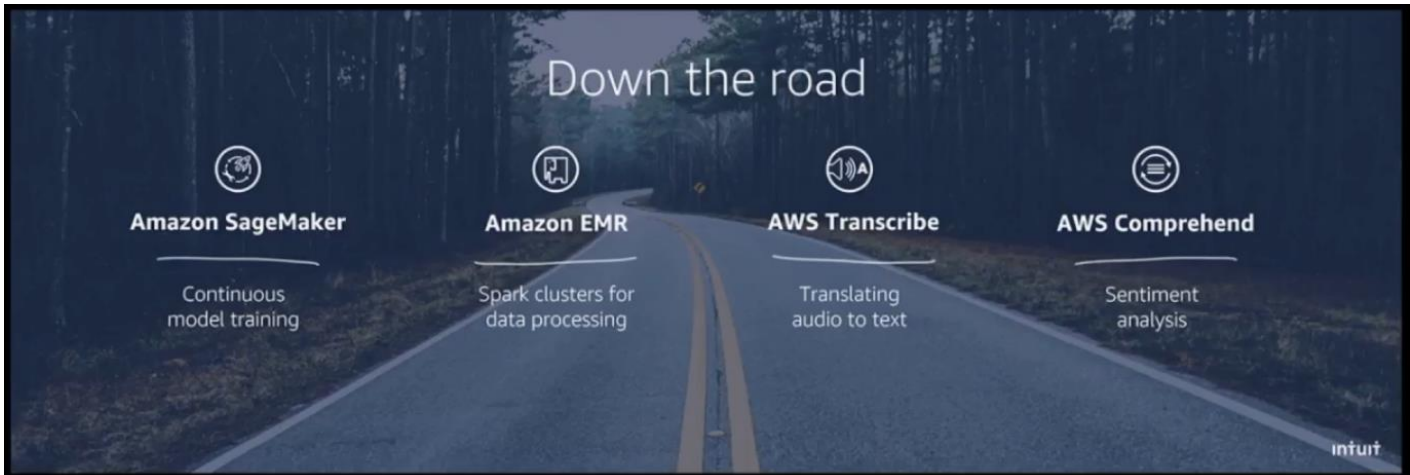
Deployment time down by 90% with Amazon SageMaker

The diagram illustrates a significant reduction in deployment time. On the left, the text "6 MONTHS" is displayed in blue. To its right are six calendar icons arranged in a 2x3 grid, each containing a grid of dots representing days. A white arrow points from this group to a single calendar icon on the right, which is circled in white. To the right of the circled icon is the text "< 1 WEEK" in blue.


6 MONTHS

< 1 WEEK

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Down the road




Amazon SageMaker

Continuous model training




Amazon EMR

Spark clusters for data processing



AWS Transcribe

Translating audio to text



AWS Comprehend

Sentiment analysis

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Offer greater insights
Personalize products
Anticipate needs
Expand scope

FASTER THAN EVER BEFORE

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aws + **intuit**