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OPN303

# Open source meets SaaS: Accelerating the path to SaaS adoption

Tod Golding

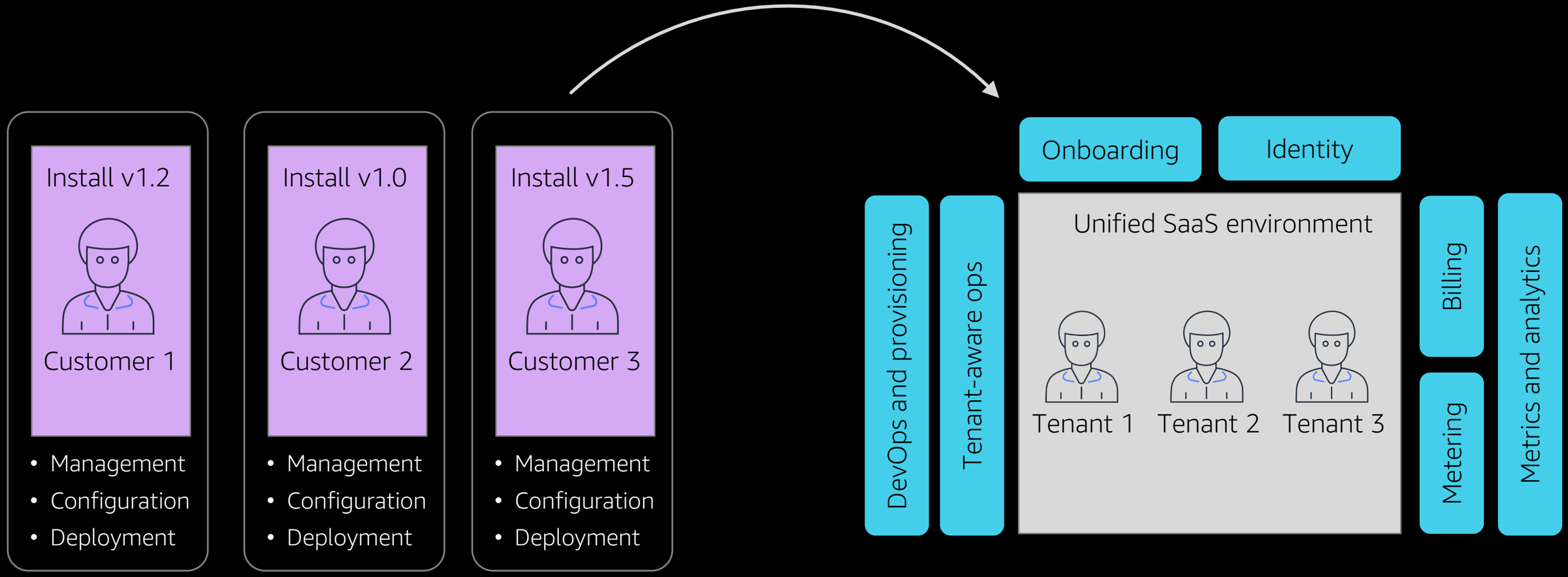
Principal Partner Solutions Architect, SaaS Factory

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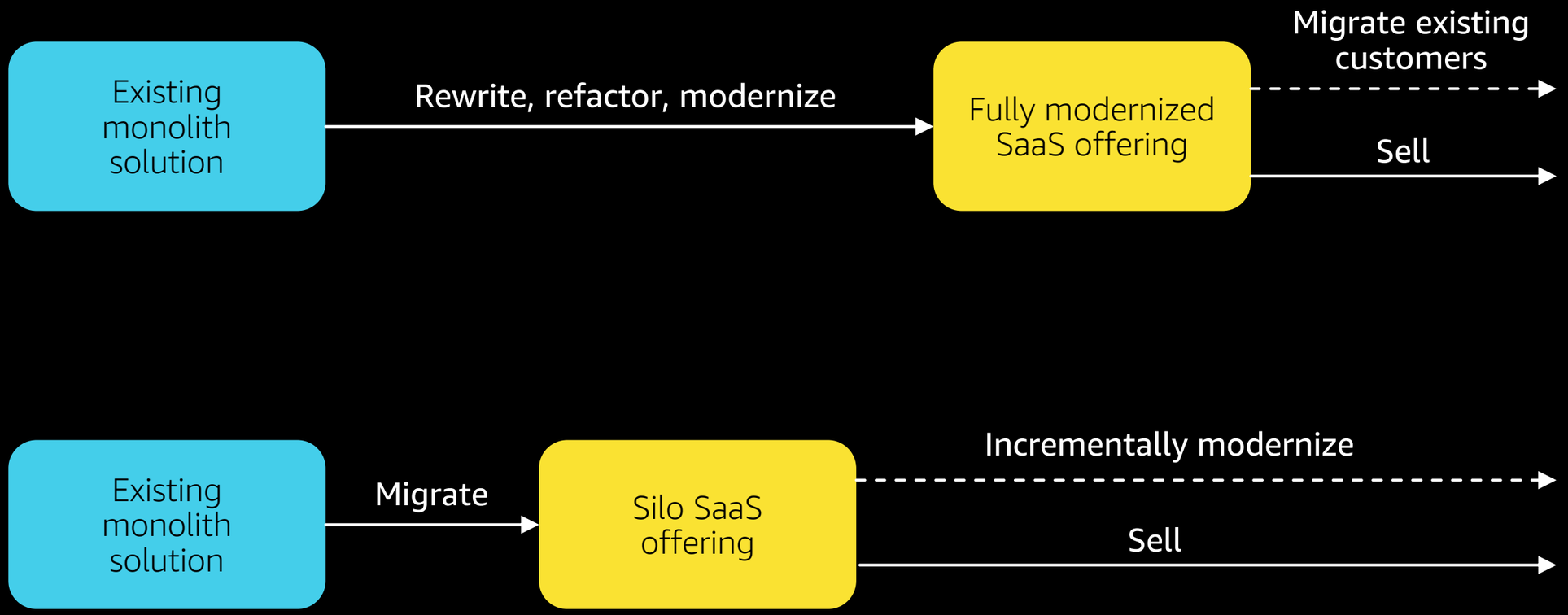
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# The SaaS challenge

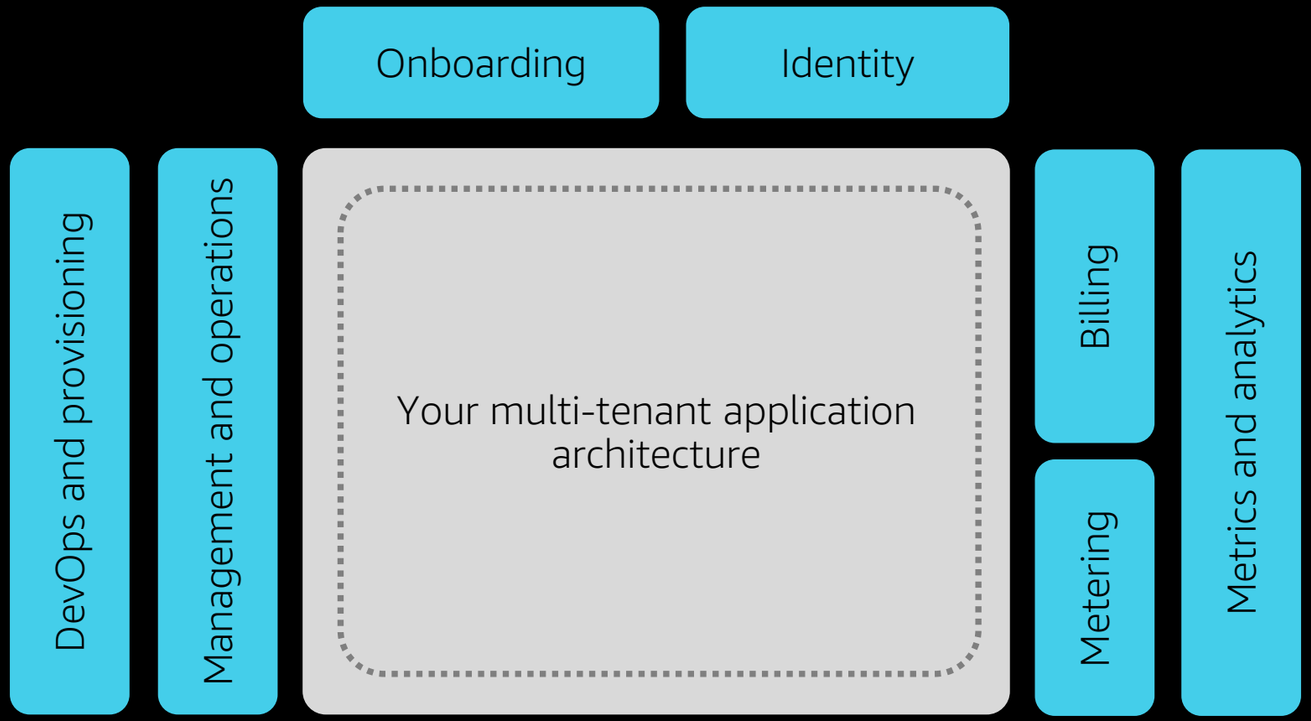


# The business dilemma



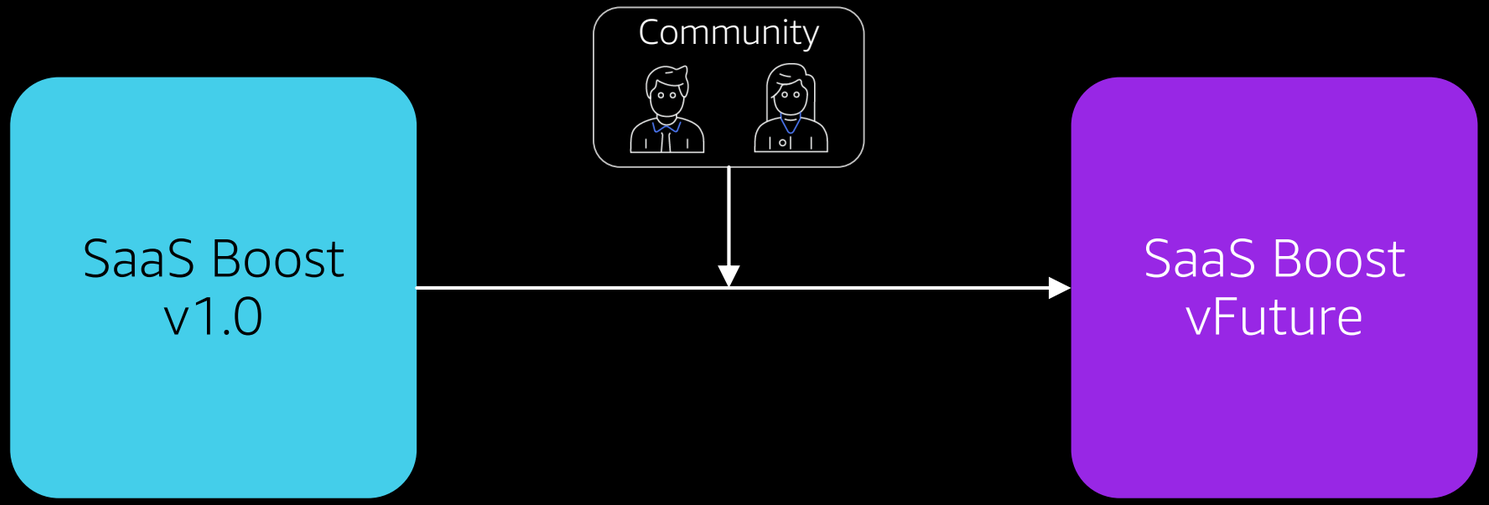
# Accelerating the path to SaaS

## Enabling SaaS providers with a prescriptive, open-source SaaS environment




- Address core horizontal SaaS components
- Provide tenant-aware operational functionality
- Enable developers to extend or enhance the baseline experience
- Provide an administrative experience for configuring or managing a SaaS environment
- Let ISVs focus more on their IP and less on building SaaS infrastructure

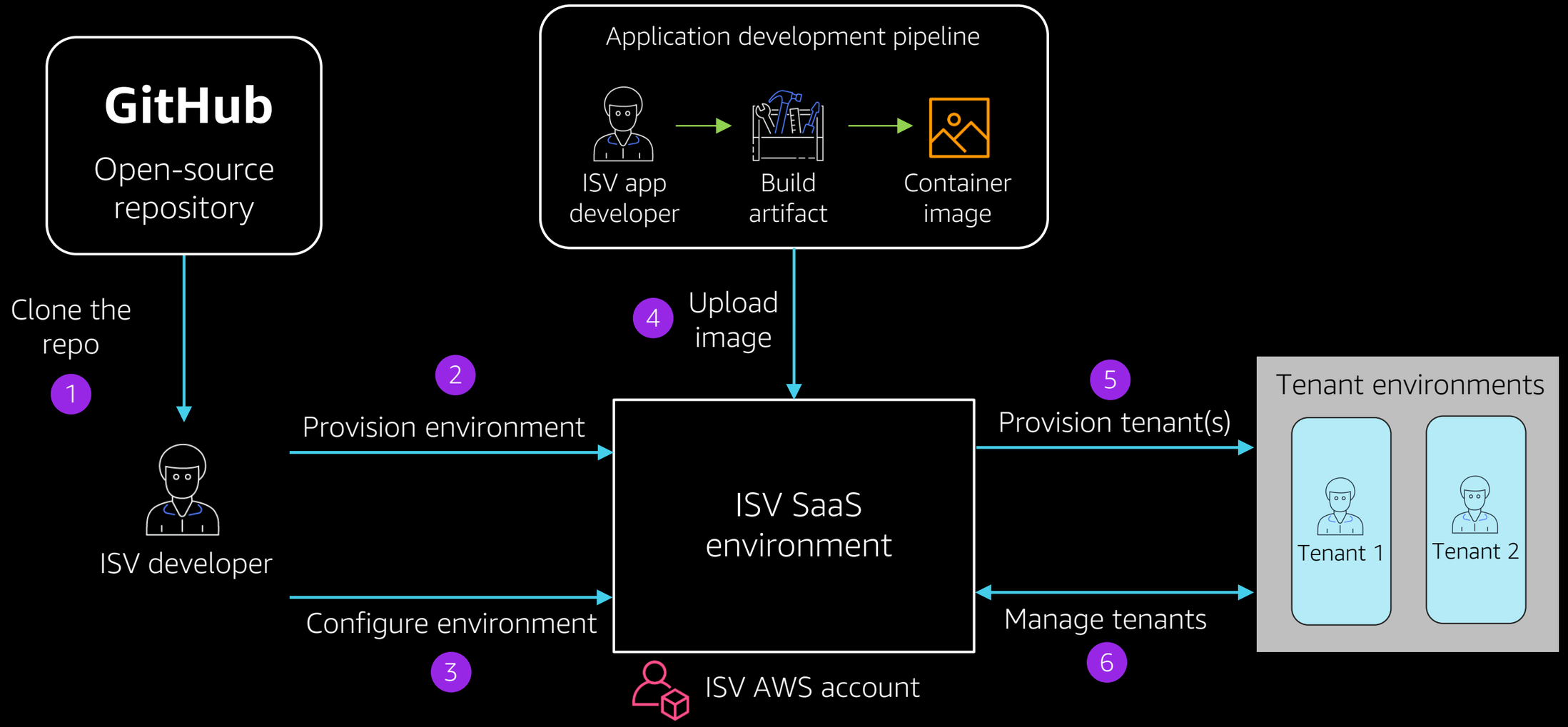
# The first step in a journey



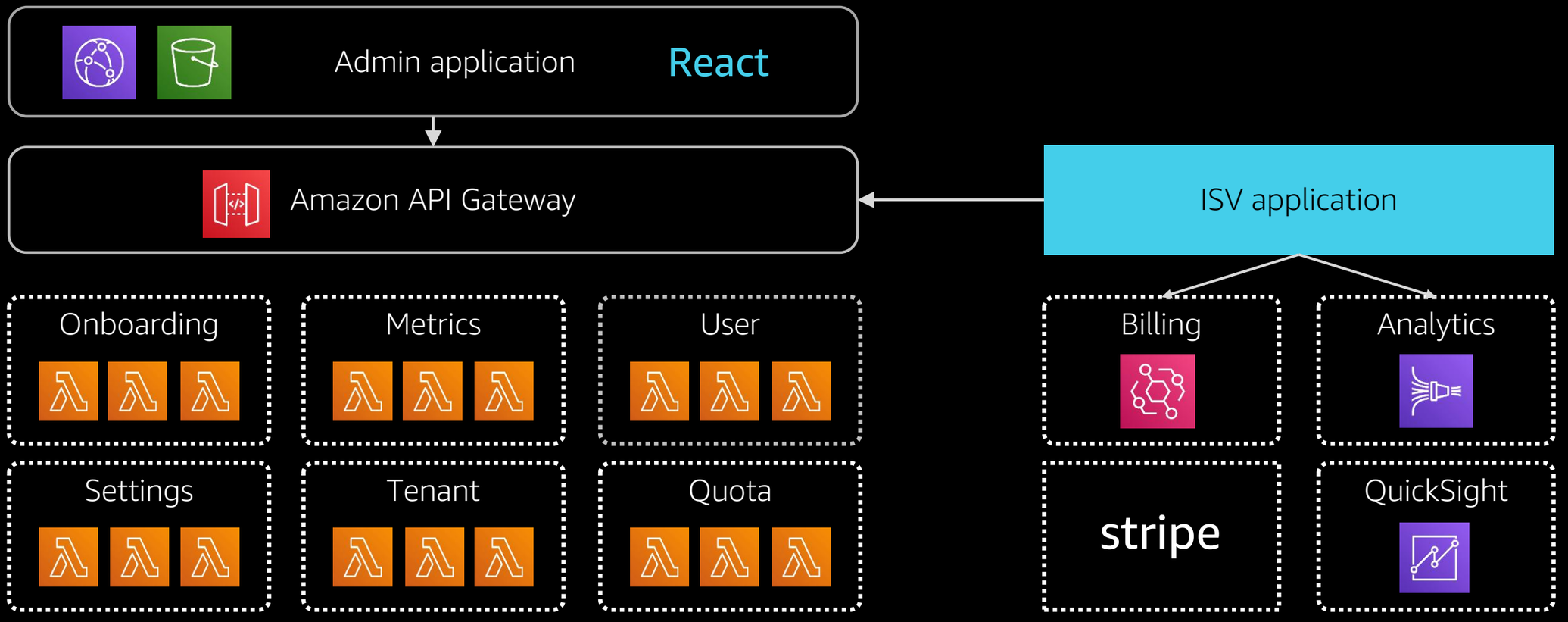

- Lift-and-shift SaaS
- Siloed SaaS model
- Onboarding automation
- Window / Linux support
- Billing integration
- Metrics integration

- Pooled SaaS model
- Richer extension model
- Enhanced operational insights
- Database sizing / optimization
- Custom tenant / user attributes
- Enhanced identity integration

# The high-level experience

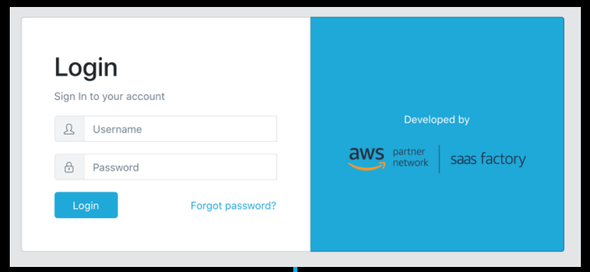


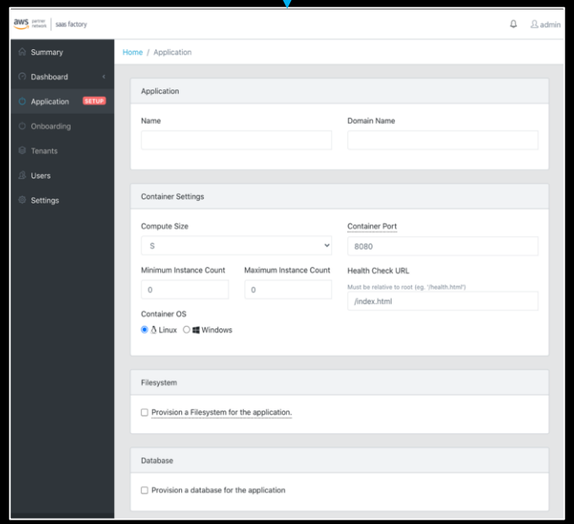
# What gets provisioned




Optimized for cost because load will vary significantly

# Setting up your SaaS environment




## Configure your application settings

- Set up your subdomain/domain
- Set up compute configuration

## Configure extensions

- Configure database extensions
- Configure filesystem extensions

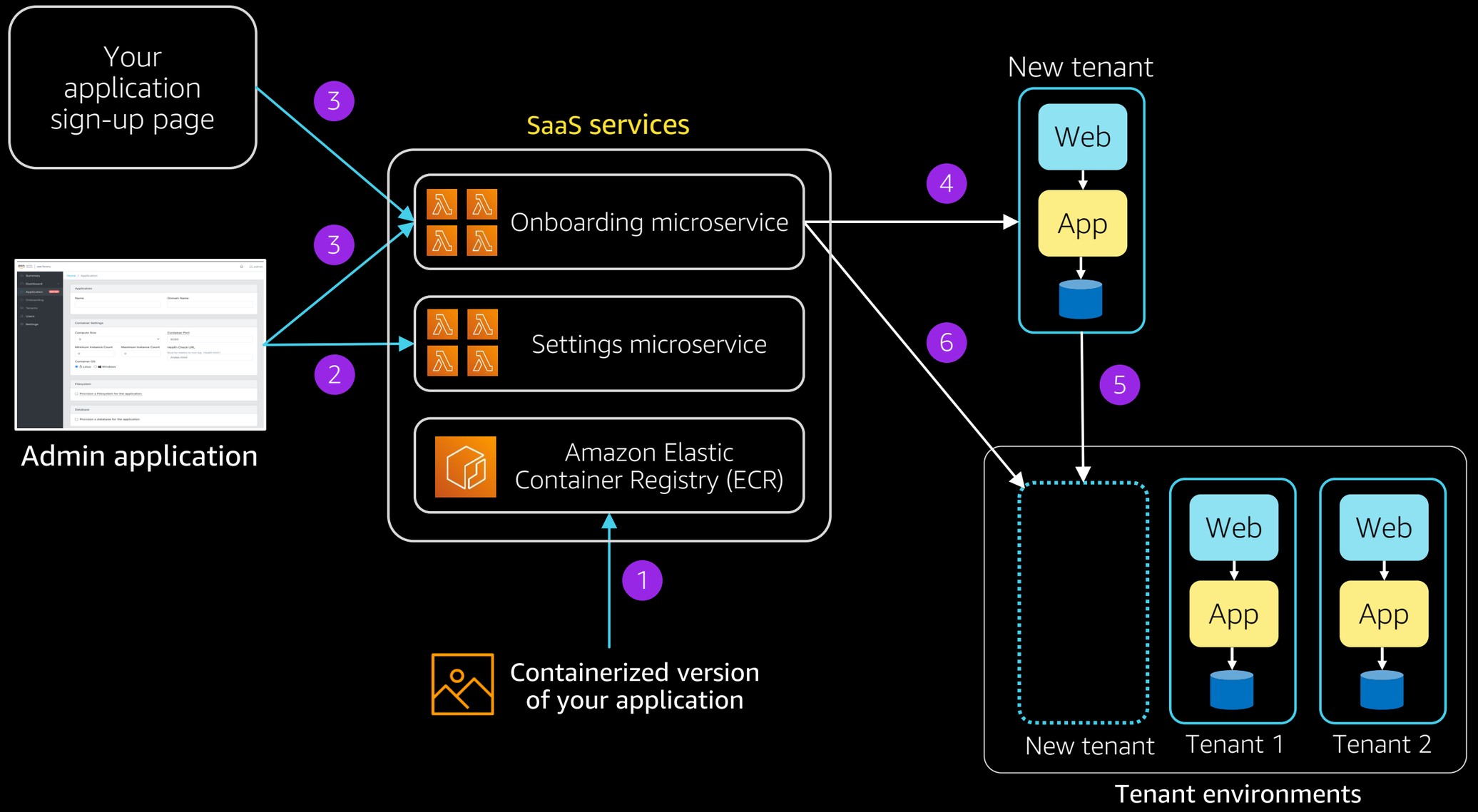
## Configure billing

- Set up Stripe account
- Set up billing plans

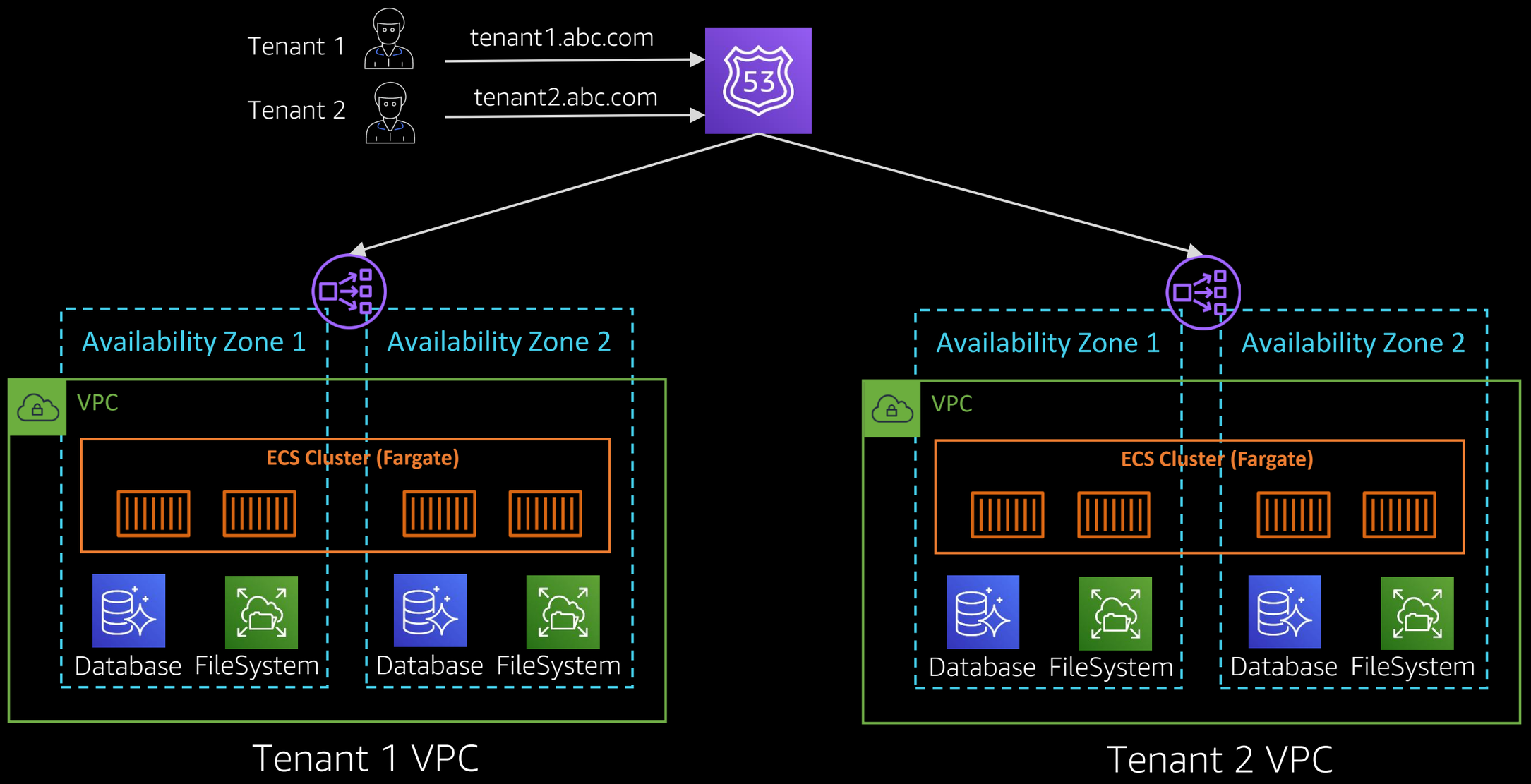
## Provision tenants

- Provision from SB application
- Provision from your application

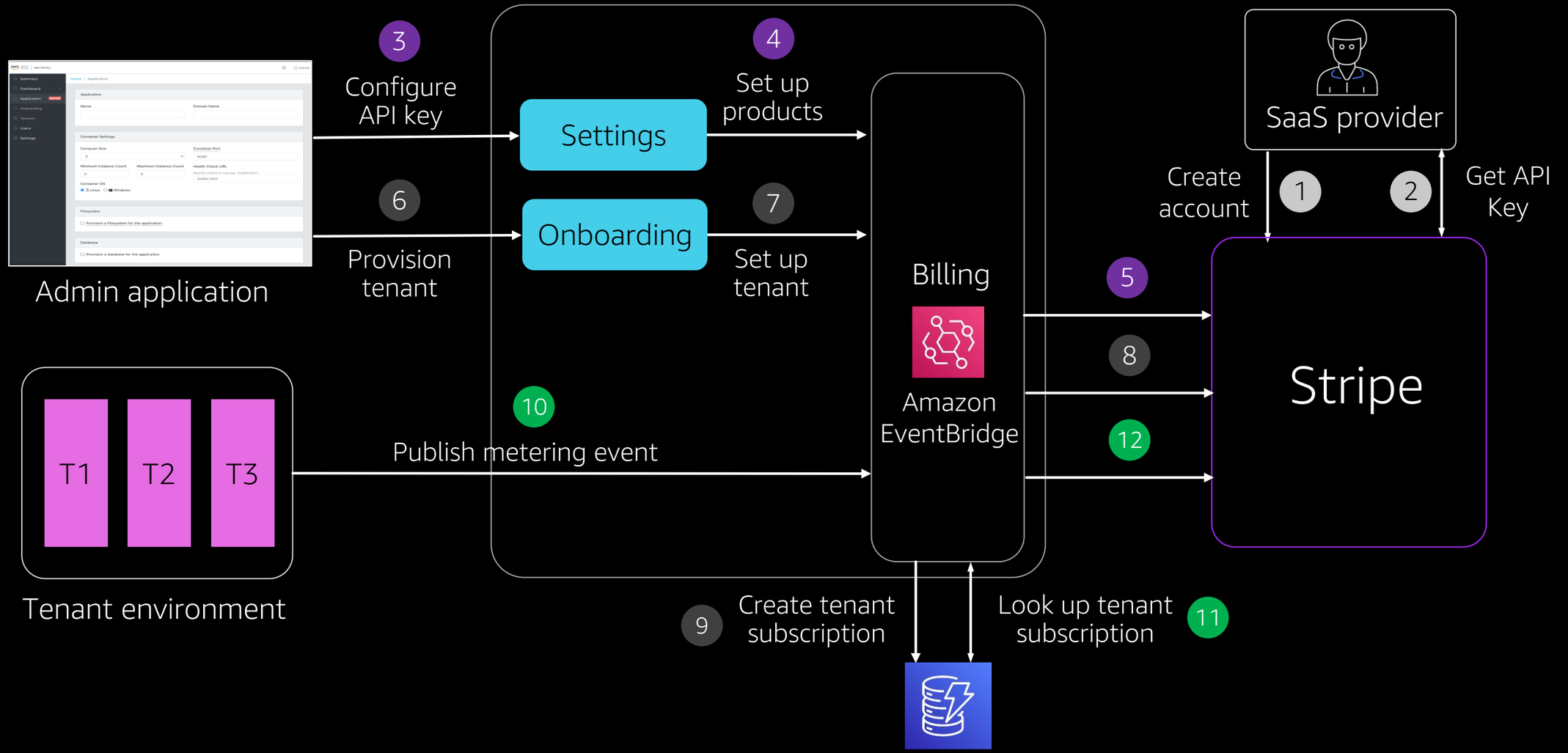
# Initial focus: A lift-and-shift, silo SaaS model



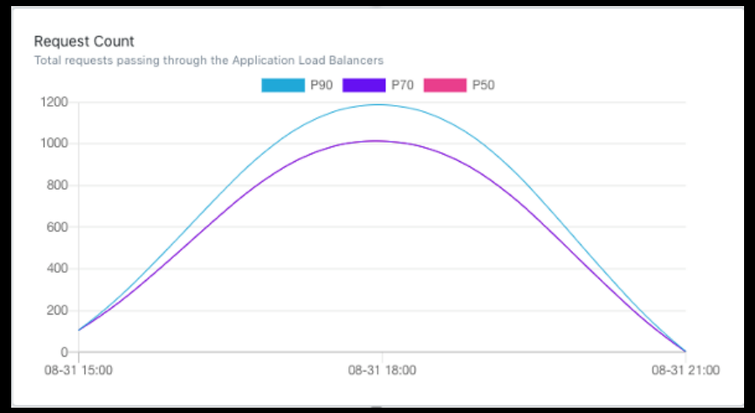
# Provisioned tenant environments

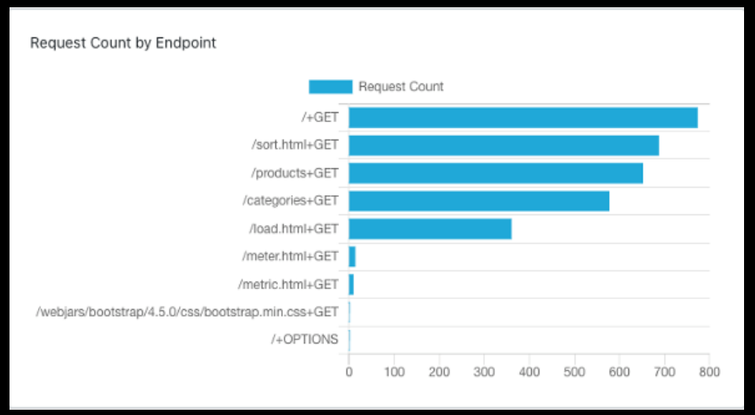


# Billing integration



# Tenant-aware operational views




- Provide operational insights with zero instrumentation
- Highlight activity and consumption trends for tenants
- Drill into specific tenant metrics / insights
- Identify opportunities to tune tenant environments
- Analyze features and entry points that are being exercised

# Takeaways

- Initial version is focused on siloed SaaS model
- Additional extensibility and multi-tenant models (pool, multi-container) on the roadmap
- Leaning on open source community to build, suggest, and participate in the evolution of this offering
- First wave of access will be in preview
- SaaS developers will benefit from a more prescriptive experience that accelerates or supports their journey to a multi-tenant model

# Getting started

To get started with this solution, visit the following link:

http://aws.amazon.com/partners/saas-boost

# More SaaS sessions

Technical Sessions

ARC314 – Inside Amazon EKS SaaS: Building multi-tenant solutions with EKS

API304 – Monolith to serverless SaaS: Migrating to multi-tenant architecture

GPS304 – SaaS jump start: Under the hood of an automated SaaS migration tool

Business sessions

GPS208 – Insights and inspiration from those on the transformation path

# Thank you!

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