

# Data Center Transformation

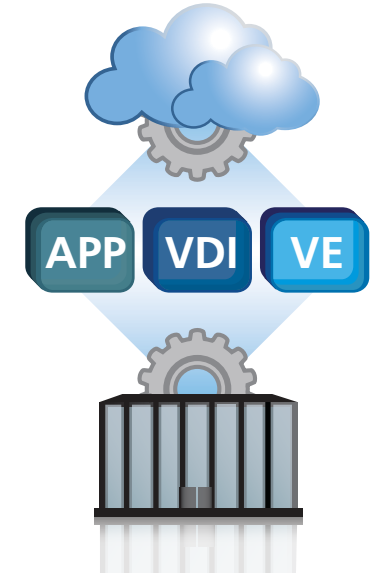
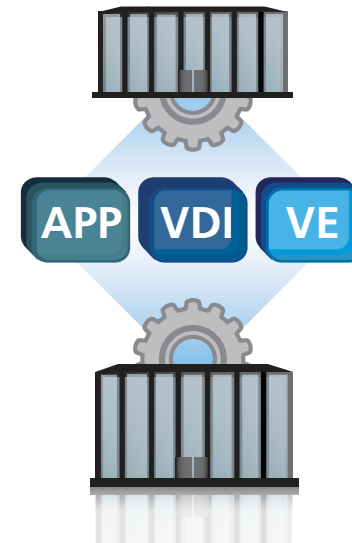
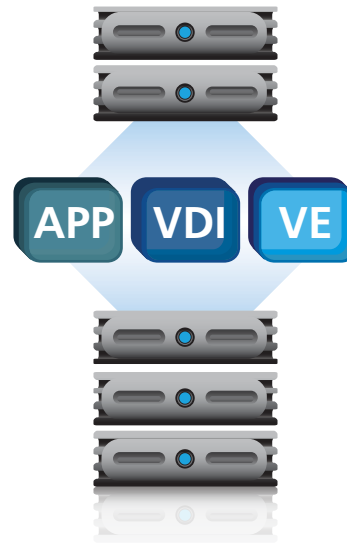
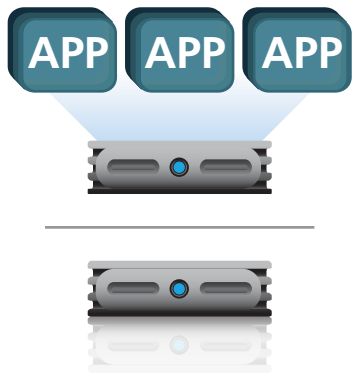
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Consolidate

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## Building the Dynamic Data Center

### A PHASED APPROACH TO CLOUD MATURITY

At every stage in the path to a fully dynamic infrastructure, F5 helps organizations achieve the benefits of virtualization and cloud more quickly, easily, and efficiently.

#### F5 key capabilities:

- Remove barriers to architecture integration
- Apply a consistent operational strategy across environments
- Ensure control of security, performance, and availability

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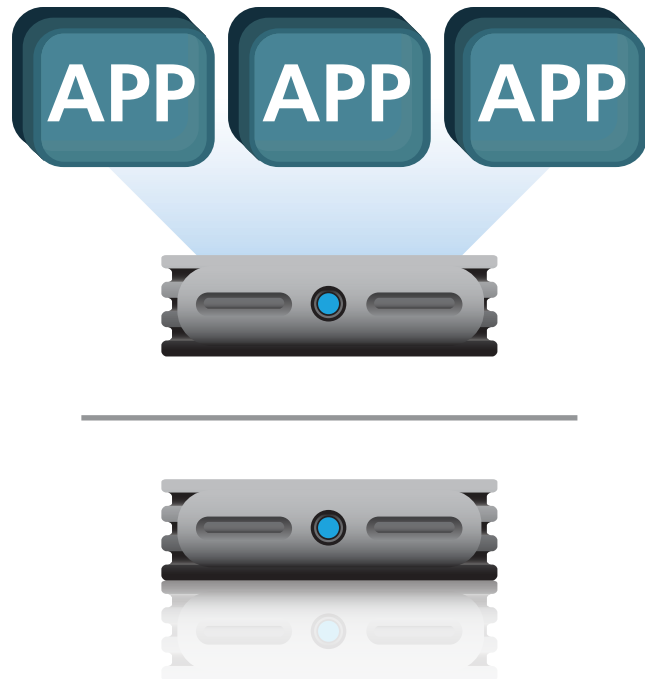
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## Separate

### TEST AND DEVELOPMENT

#### Goals

- Virtualize testing environment
- Create consistent, phased application environments
- Improve repeatability and speed of application deployment

#### Challenges

- Difficulty and cost of simulating production conditions

#### F5 Solutions

- Offer a rapid, low-cost testing environment using F5 virtual editions
- Provide consistent conditions for deploying applications, from testing to production
- Enable faster deployment to production with fewer errors

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## Consolidate

### SERVERS AND INFRASTRUCTURE

#### Goals

- Increase utilization of existing resources
- Reduce power, cooling, maintenance, and facilities costs

#### Challenges

- Complexity from different infrastructure components
- Management of application security, performance, and availability

#### F5 Solutions

- Enable greater virtual server density
- Create an operationally unified architecture
- Apply security, performance, and availability policies consistently

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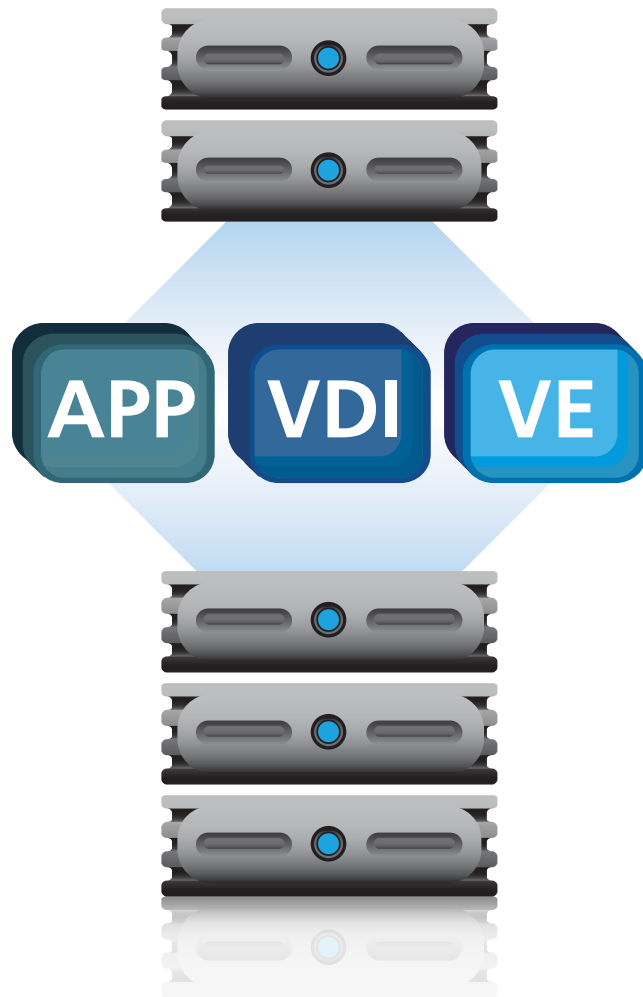
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## Aggregate

CAPACITY ON DEMAND

### Goals

- Provision capacity and services on demand
- Move applications and data across environments

### Challenges

- Scalability of services regardless of system or environment
- Control of security, availability, and performance

### F5 Solutions

- Replicate processes, policies, and data to and from any environment
- Create an elastic processing platform
- Easily scale application and data delivery services on demand

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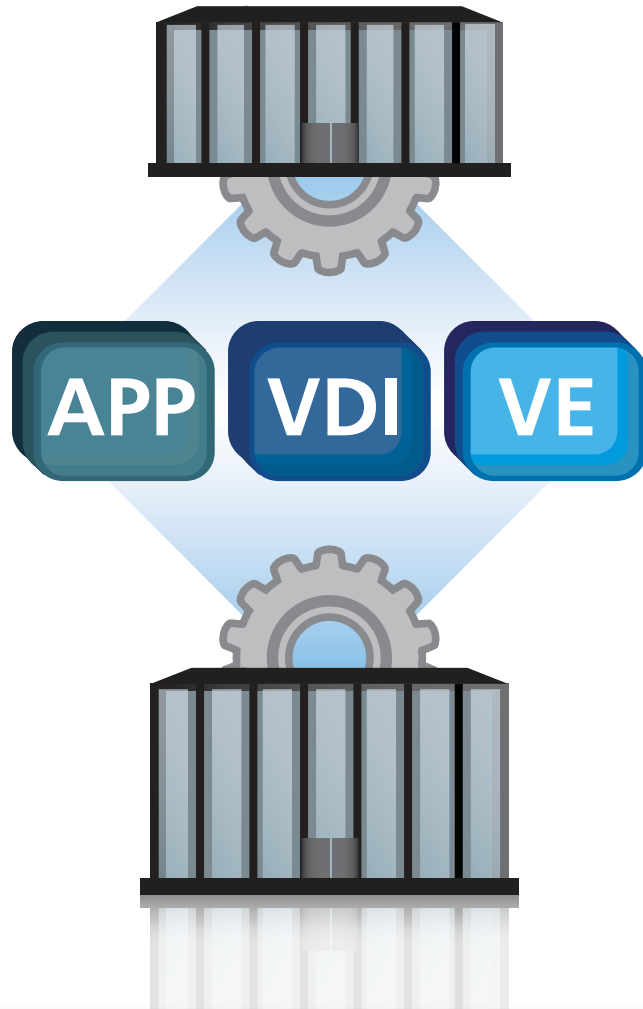
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## Automate

### SELF-MANAGING DATA CENTERS

#### Goals

- Improve operational efficiency across environments
- Provision services dynamically

#### Challenges

- Integration with multiple APIs and management systems

#### F5 Solutions

- Unify operations through application control plane architecture
- Offer pre-packaged integration for leading virtualization, automation, and storage solutions
- Provide the ability to automate and manage nearly any system

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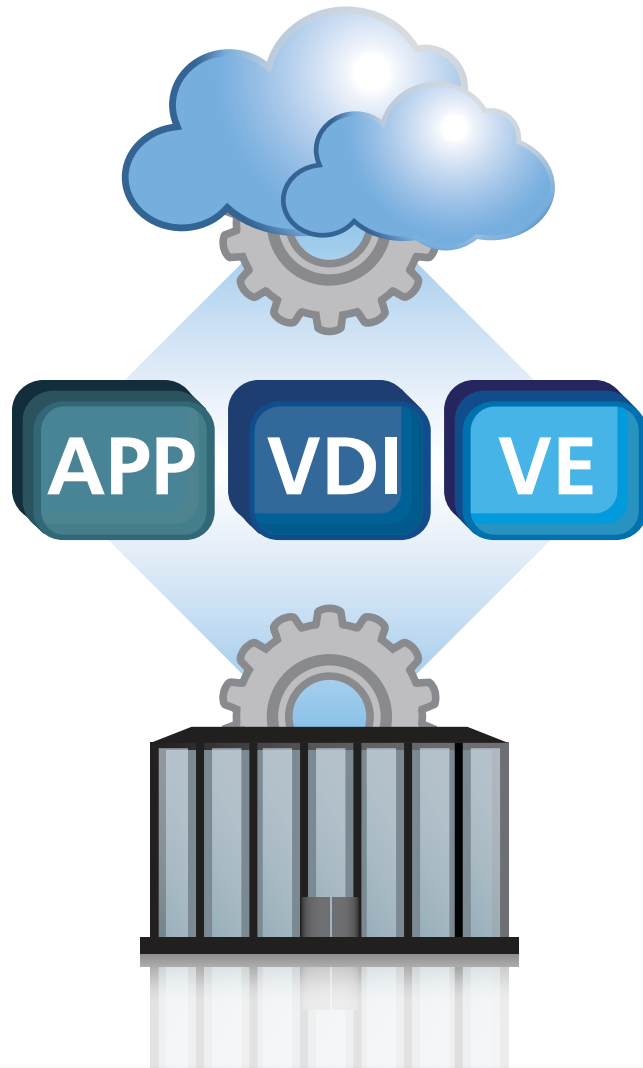
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## Liberate

ENTERPRISE, ON- AND OFF-PREMISE CLOUDS

### Goals

- Free up operations to deliver true ITaaS

### Challenges

- Disjointed operational management
- Security, reliability, and performance risks

### F5 Solutions

- Mitigate risks by providing an operationally consistent platform
- Ensure smooth operations using consistent, repeatable deployment models
- Provide operations, applications, and resources as services across environments

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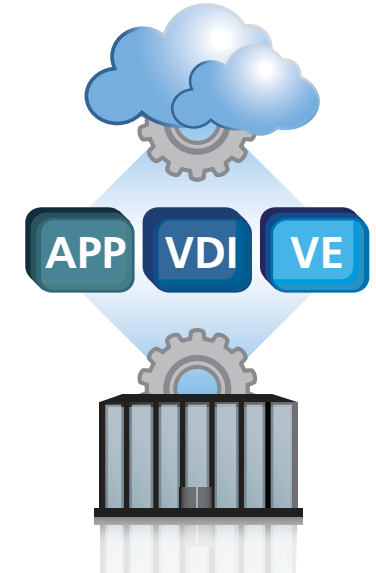
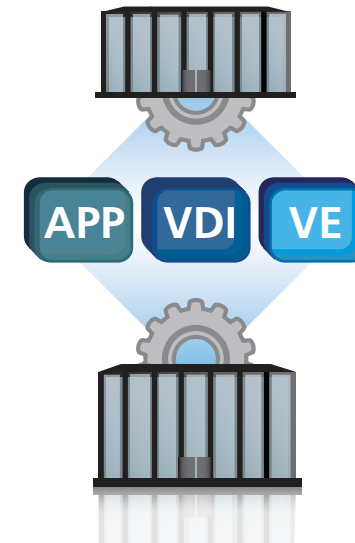
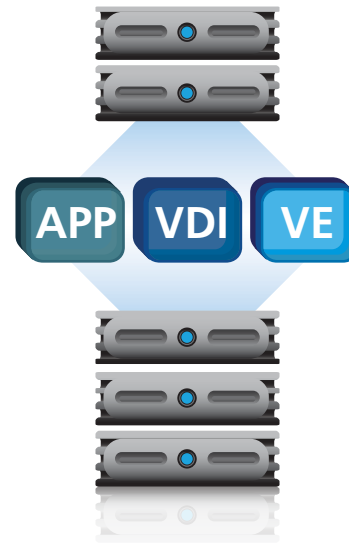
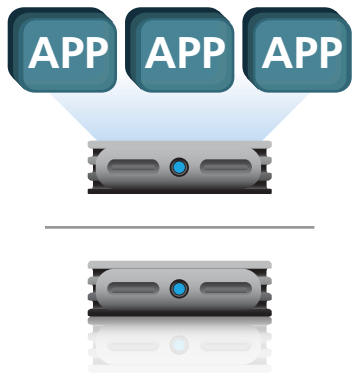
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## F5 and the Dynamic Data Center

Not every organization will transition through every stage or even arrive at the same end result. Regardless of your path, with F5 you stay in control of security, performance, and availability across environments.

**Unified operational architecture from F5 helps you:**

- Remove barriers to deployment
- Realize virtualization and cloud benefits more quickly
- Lay the framework for long-term, sustained efficiencies

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