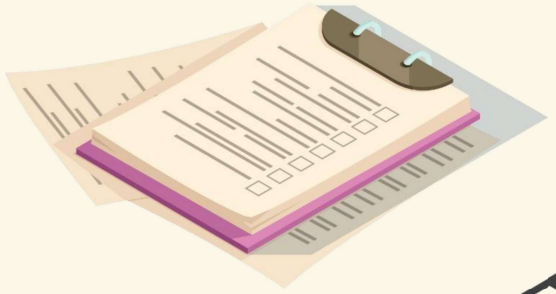
VmWare Cloud



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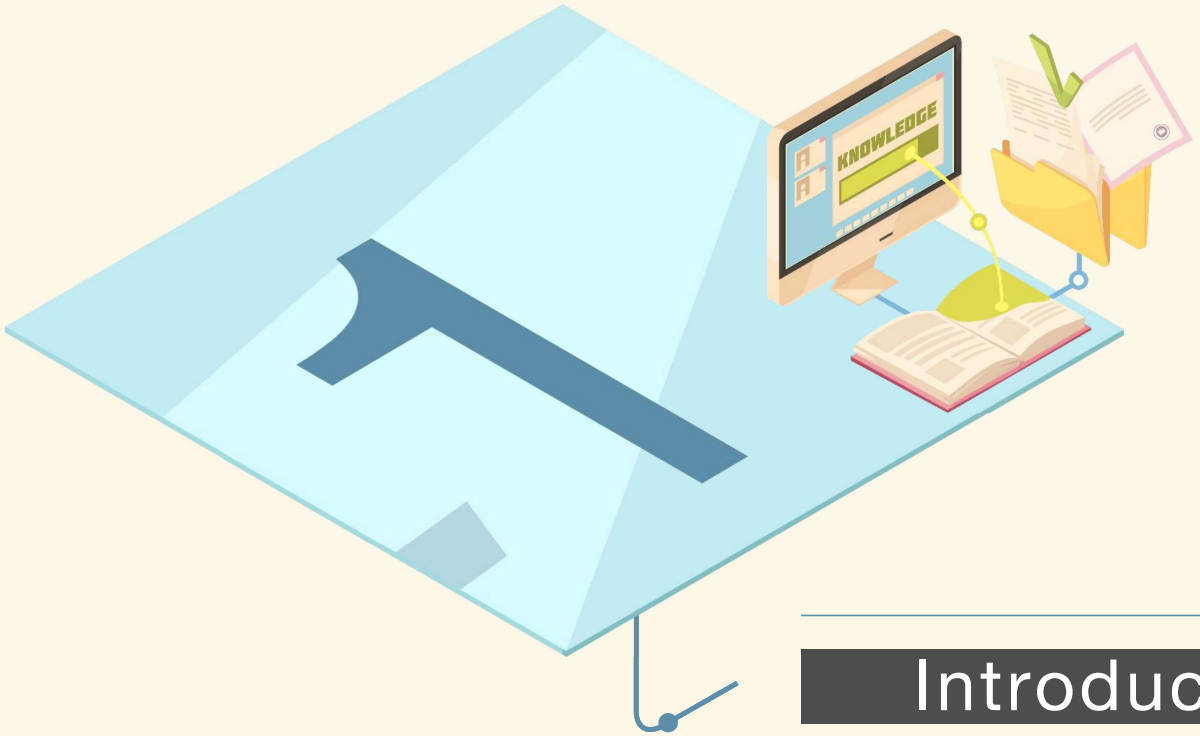
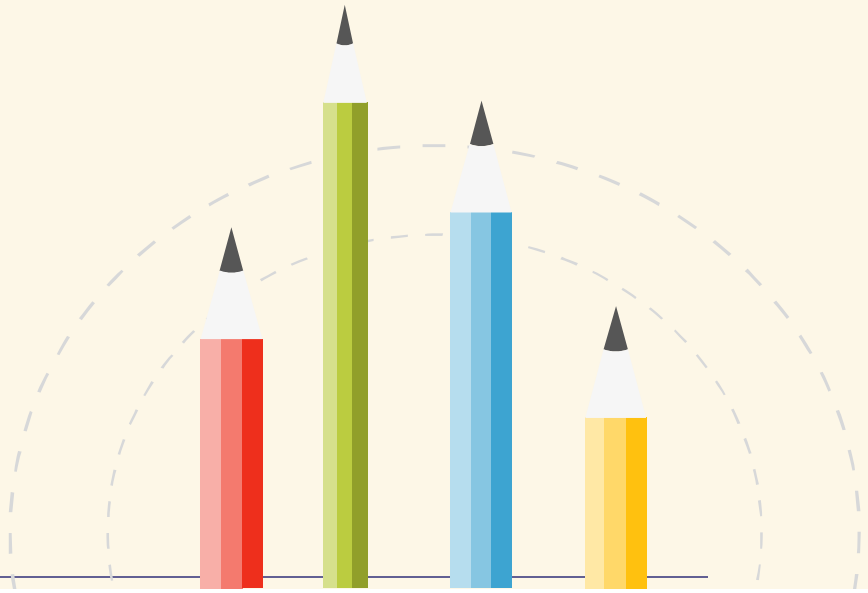


Introduction

1 Introduction

- *VMware Cloud is a cloud computing service provided by VMware, one of the leading companies in the virtualization industry.*
- *It allows businesses to build, run, and manage applications across multiple cloud environments, including private, public, and hybrid clouds.*
- *VMware Cloud provides a consistent infrastructure and operating model across clouds, enabling businesses to improve agility, reduce costs, and enhance security.*



Deployment Models & Services

2 Deployment Models & Services

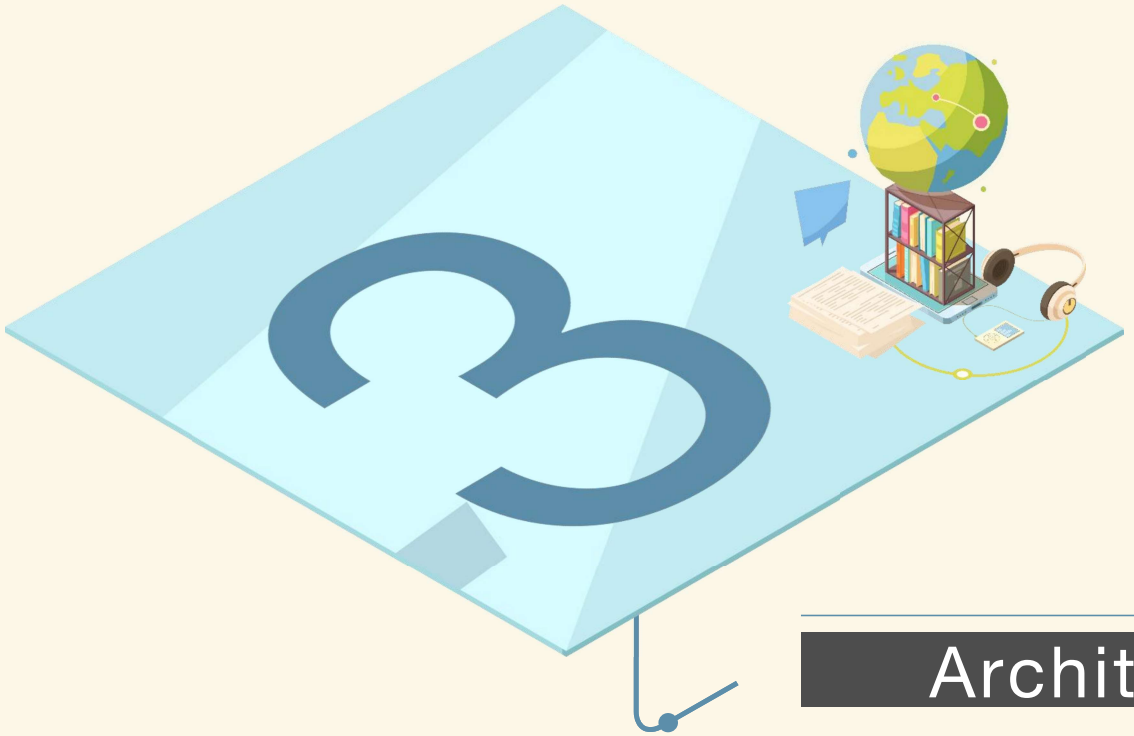
- *VMware Cloud supports multiple deployment models, including private, public, and hybrid clouds. Private clouds are hosted on-premises or in a colocation facility.*
- *Public clouds are hosted by third-party cloud providers, such as Amazon Web Services (AWS) and Microsoft Azure.*
- *Hybrid clouds combine the best of both worlds, allowing businesses to use their private cloud resources for sensitive workloads and public cloud resources for less sensitive workloads.*

VMware Cloud on AWS
VMware Cloud is available as a standalone service. It is also available as an integration with Amazon Web Services (AWS). This integration was developed jointly by AWS and VMware and applies VMware services to AWS infrastructure.

VMware vRealize Automation
VMware vRealize Automation is a platform that you can use to automate infrastructure management tasks. It includes features for self-service provisioning, role-based governance, and resource lifecycle management.

Cloud Provider Metering
Cloud Provider Metering is a service you can use to centralize and automate reporting on resource use. It is made up of two components—VMware vCloud Usage Meter agents and VMware vCloud Usage Insight.

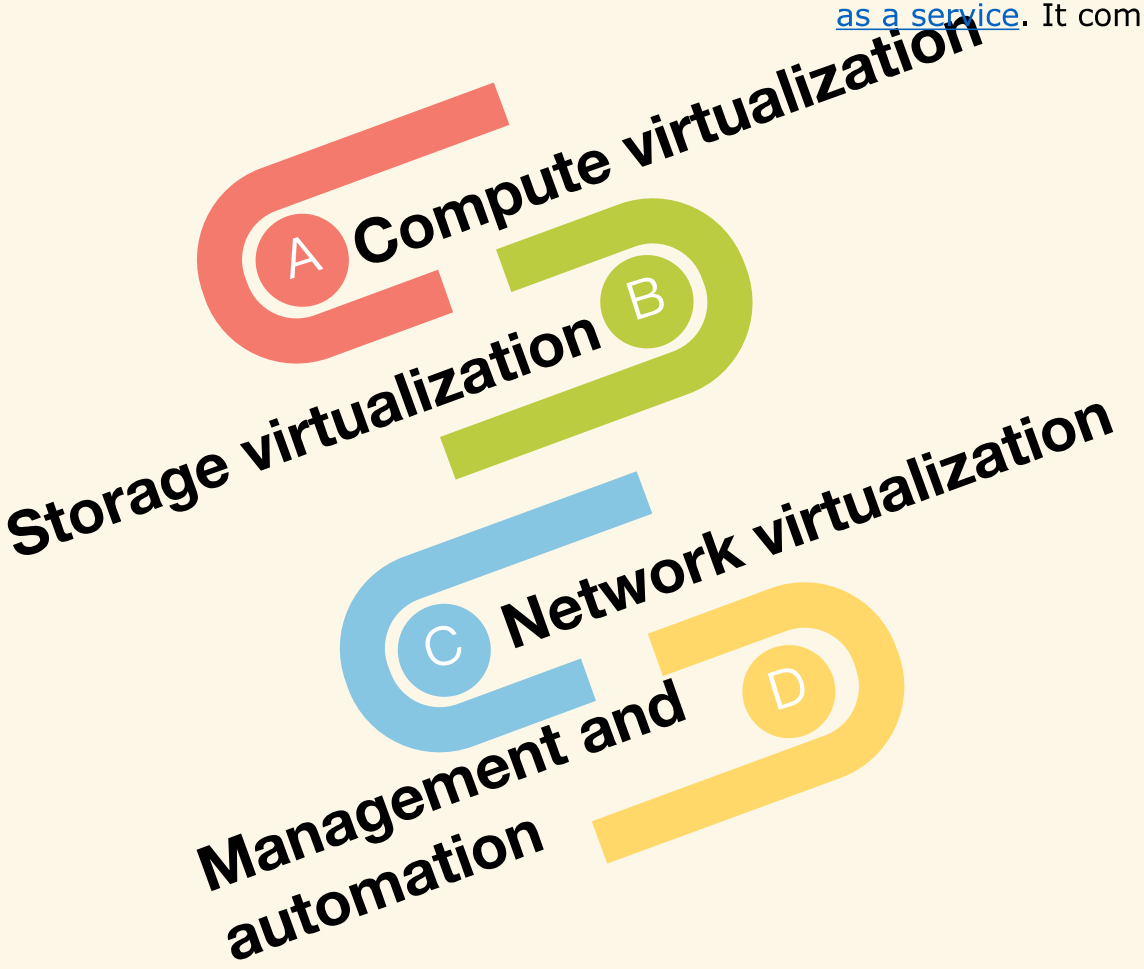
VMware vRealize Log Insight
VRealize Log Insight is a virtual appliance you can use to aggregate, analyze, and manage system log data. You can use it to monitor application logs, messages, configuration files, network traces, and performance data in real-time.



Architecture

3 Architecture

The architecture of VMware Cloud is based on VMware's software-defined data center (SDDC) approach. An SDDC (software-defined data center) is a data storage facility in which all infrastructure elements -- networking, storage, CPU and security -- are virtualized and delivered as a service. It comprises several components, including:

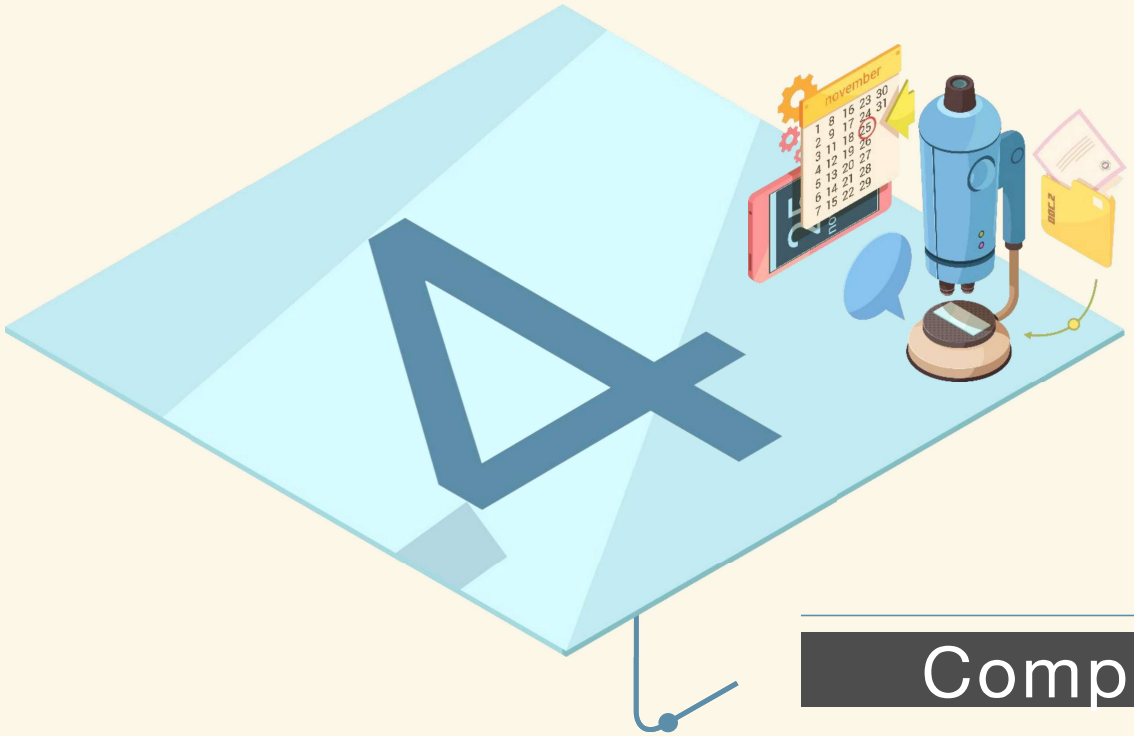


A. This is the core component of VMware Cloud, which provides virtualized compute resources to run applications.

B. This component provides virtualized storage resources to store data and run applications.

C. This component provides virtualized network resources to connect applications and users.

D. This component provides tools to manage and automate the deployment and operation of applications and infrastructure.



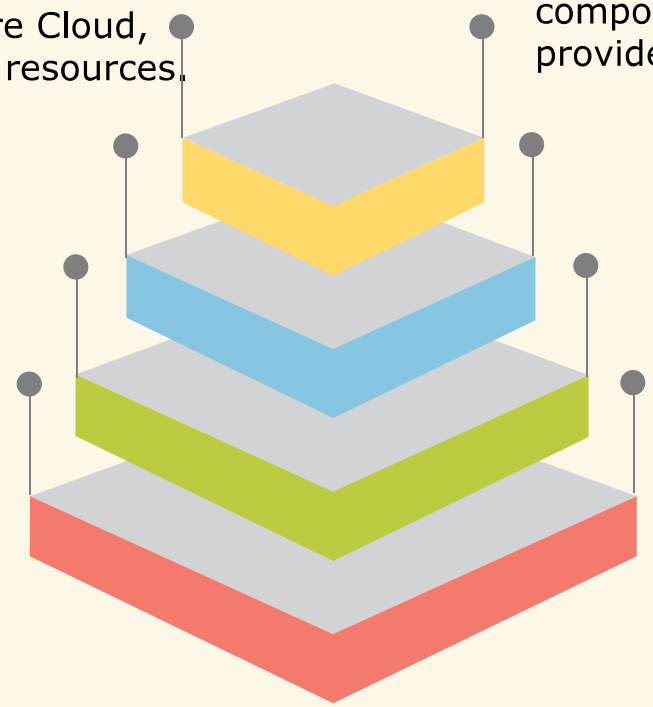
Components

4 Components

VMware Cloud comprises several components, including:

VMware vSAN: This is the storage virtualization component of VMware Cloud, which provides virtualized storage resources.

VMware vSphere: This is the core component of VMware Cloud, which provides compute virtualization.



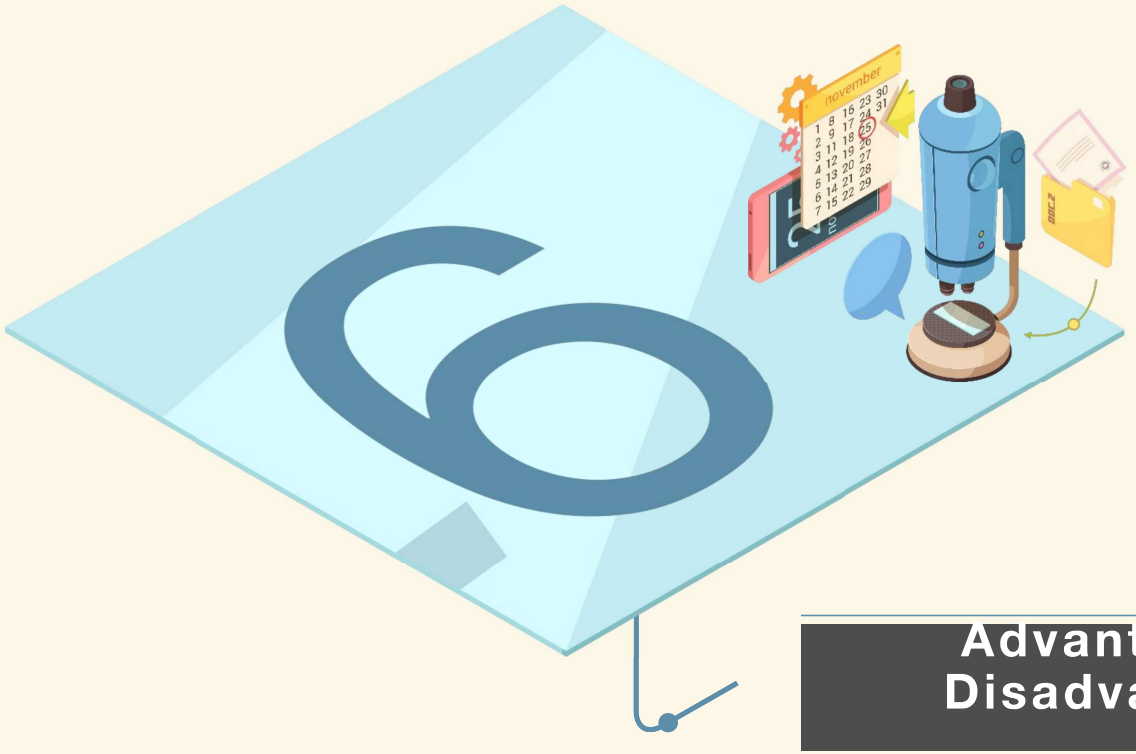
VMware vRealize Suite: This is the management and automation component of VMware Cloud, which provides tools to manage and automate the deployment and operation of applications and infrastructure.

VMware NSX: This is the network virtualization component of VMware Cloud, which provides virtualized network resources.

Case Study

5 Case Study

- One example of a company that has benefited from VMware Cloud is PricewaterhouseCoopers (PwC), a global professional services firm.
- PwC used VMware Cloud to migrate its applications to the cloud, which enabled it to improve agility, reduce costs, and enhance security.
- With VMware Cloud, PwC was able to deploy applications faster, scale resources as needed, and ensure compliance with security regulations.



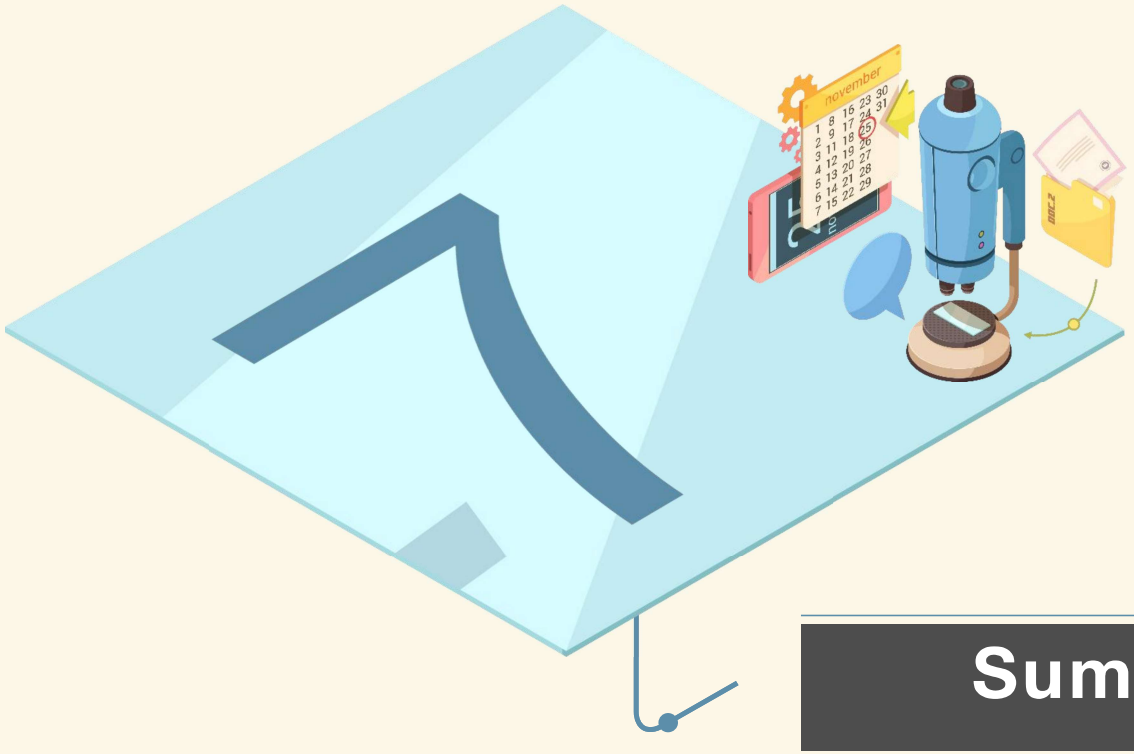
Advantages & Disadvanyages

Advantages of VMware Cloud include:

- Consistent infrastructure and operating model across clouds
- Improved agility, scalability, and flexibility
- Reduced costs through efficient resource utilization
- Enhanced security through compliance and policy enforcement

Disadvantages of VMware Cloud include:

- High initial investment in hardware and software
- Complexity of deployment and management
- Limited compatibility with non-VMware environments



Summary

7 Summary

- VMware Cloud is a cloud computing service provided by VMware that enables businesses to build, run, and manage applications across multiple cloud environments. It supports multiple deployment models and provides a wide range of services, including compute, storage, networking, security, and management.

- The architecture of VMware Cloud is based on VMware's SDDC approach, which comprises several components, including compute virtualization, storage virtualization, network virtualization, and management and automation.

- VMware Cloud offers many advantages, including consistent infrastructure and operating model, improved agility and scalability, reduced costs, and enhanced security. However, it also has some disadvantages, including high initial investment