

# Cloud Computing

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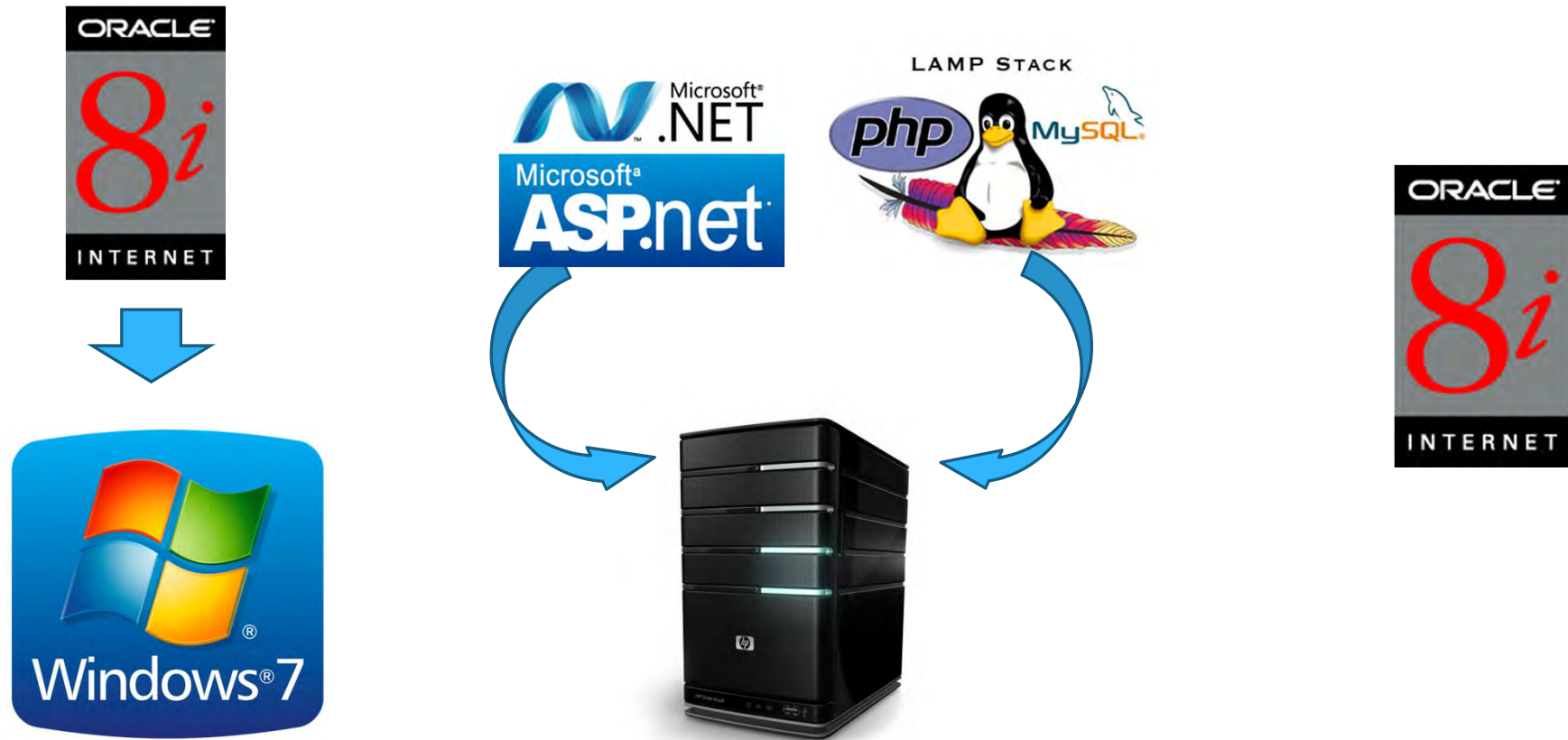
# Diversity of Devices



# Diversity of Operating Systems



# Obstacles



# Obstacles



# Suggestions ?!!!

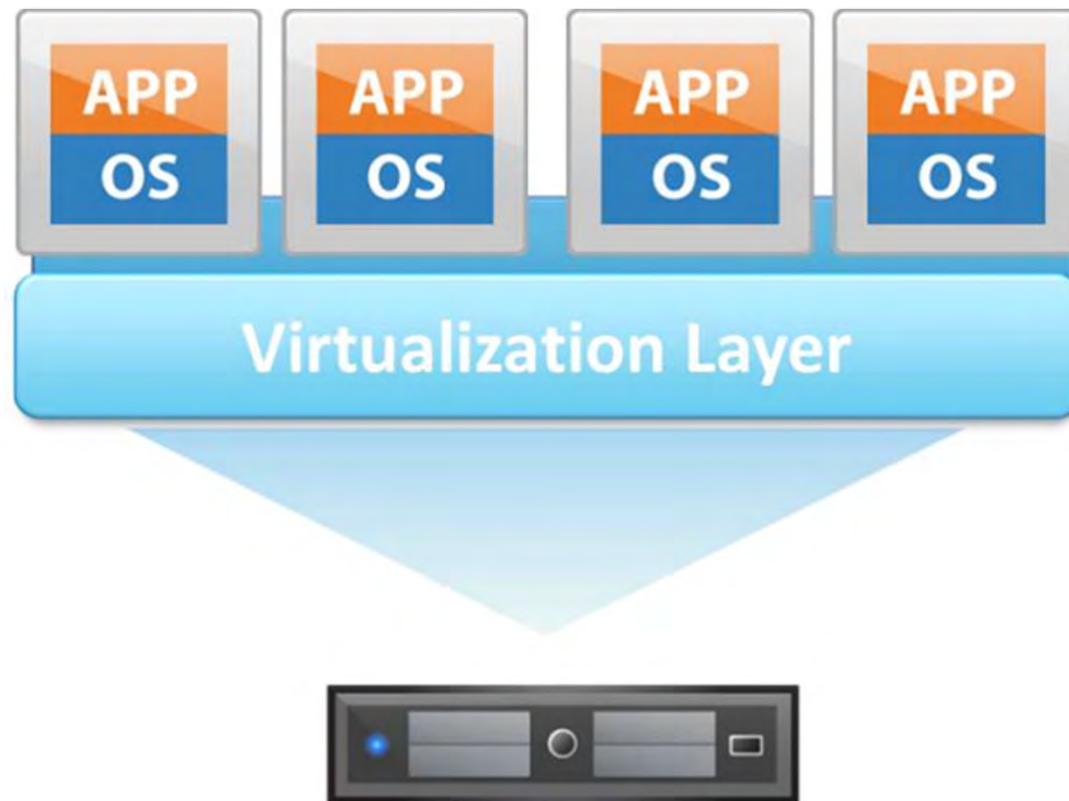
Cloud Computing



Virtualization



# Vitrualization





# Virtualization Benefits

- \* Legacy systems reusability
- \* Perfect utilization of resources
- \* Extensibility
- \* Migration
  - \* Reliability (Backups)
  - \* Ease of configuration



# Virtualization frameworks



vmware™



Microsoft

ORACLE®



open source™

Workstation

VSphere

VCenter

Hyper-V

VitrualBox

z/VM

KVM

XEN

OpenVZ

# Virtualization Terminologies

- \* Hypervisor
- \* Full Virtualization VS. Para-virtualization
- \* Hardware Virtualization
  - \* Intel-VT
  - \* AMD-V

# Obstacles again ?!!!

Special Hardware



Computer Geek



# Suggestions ?

## Cloud Computing



# Cloud Computing

- \* Virtualization as a service



# Cloud Computing Services



## SAAS

Software  
as a Service

Email

CRM

Collaborative

ERP

**CONSUME**



## PAAS

Platform  
as a Service

Application Development

Decision Support

Web

Streaming

**BUILD ON IT**



## IAAS

Infrastructure  
as a Service

Caching

Legacy

Networking

Security

File

Technical

System Mgmt

**MIGRATE TO IT**

# Pay for a Cloud Provider



Windows Azure™





# Build your own Cloud



VSphere

VCenter

VCloud



Microsoft  
Cloud OS



XenServer



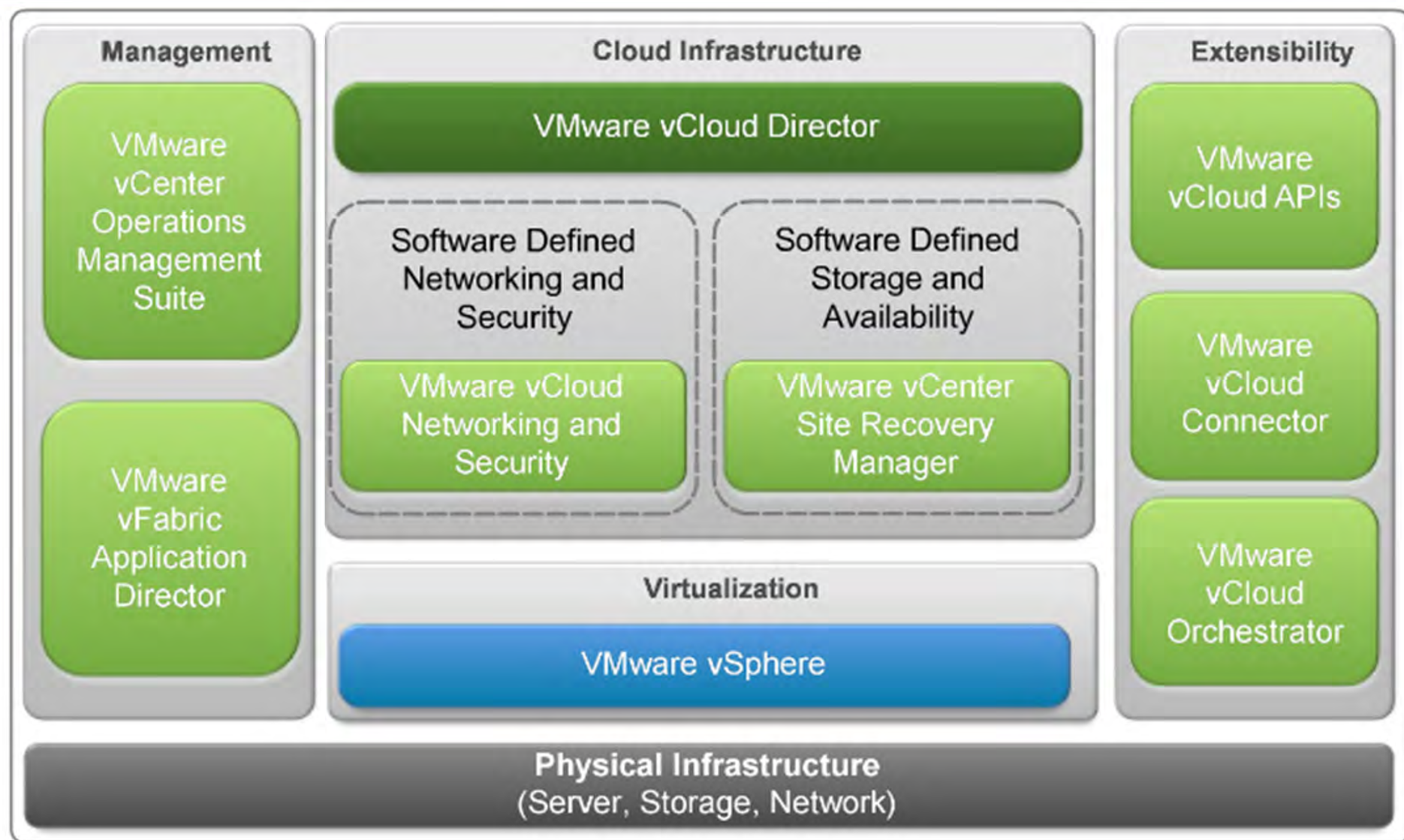
Open Stack

XCP

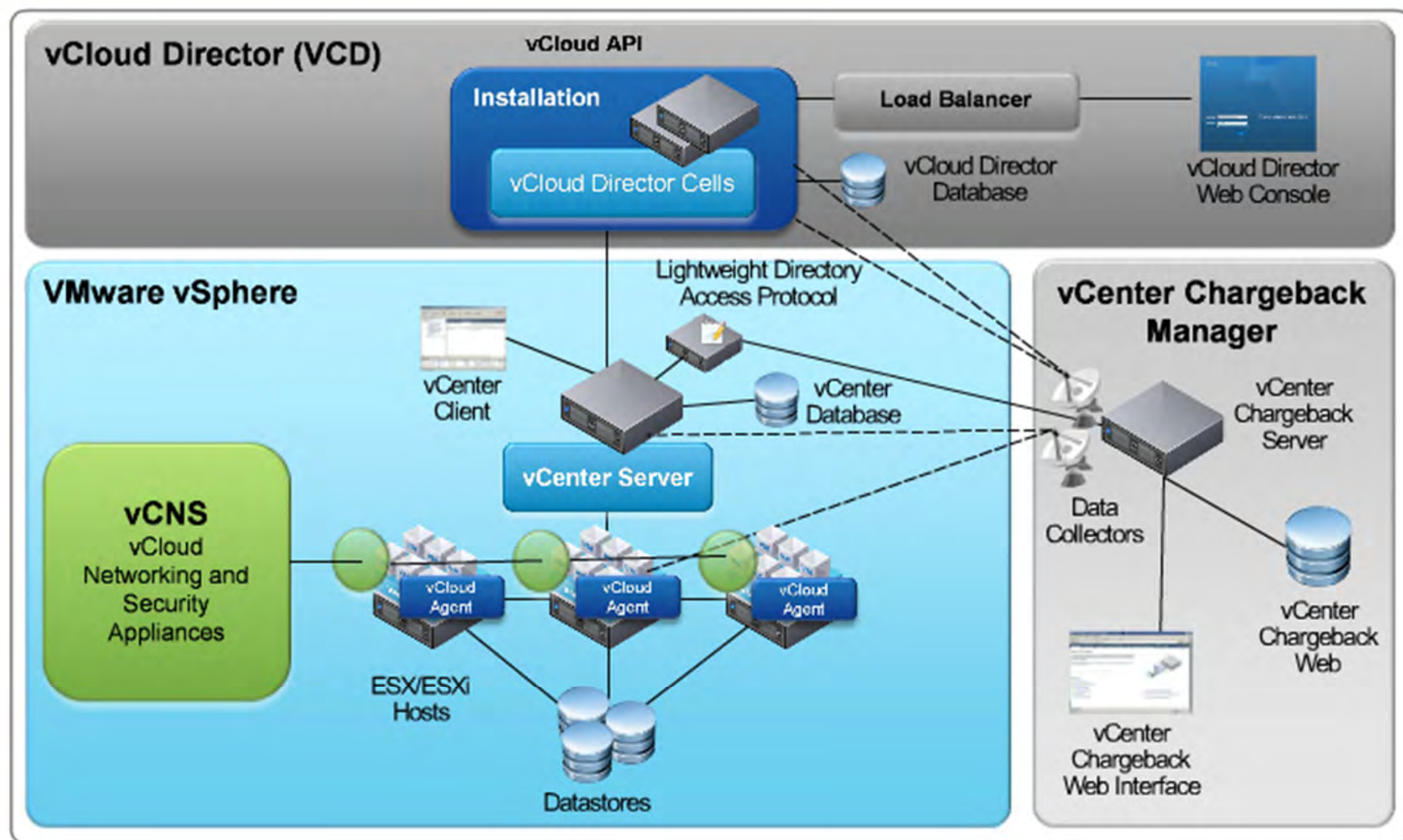
# Cloud by Example

Vmware vCloud Package

## Products that Integrate with vCloud Director

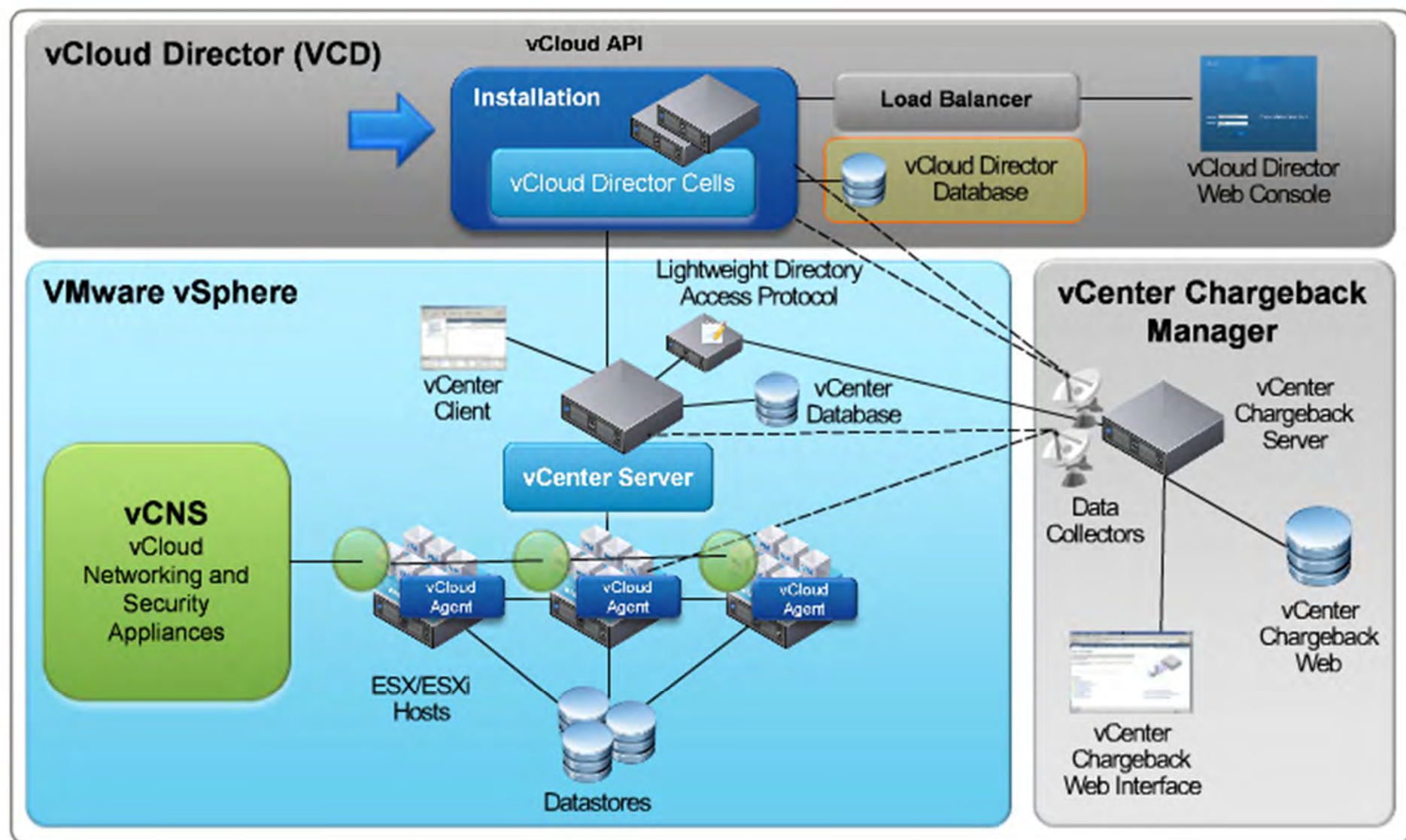


# vCloud Director Architecture

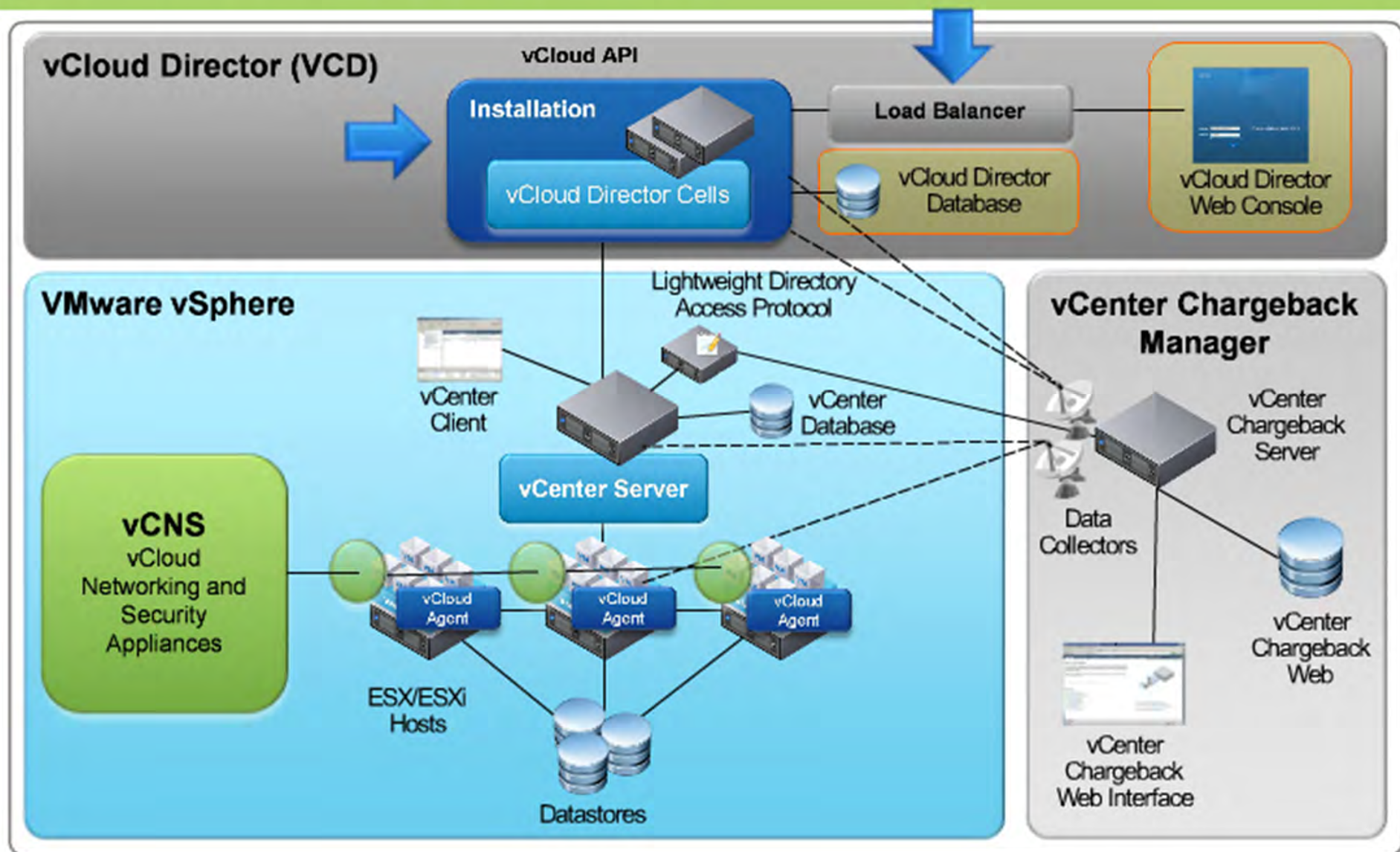




# vCloud Director Architecture

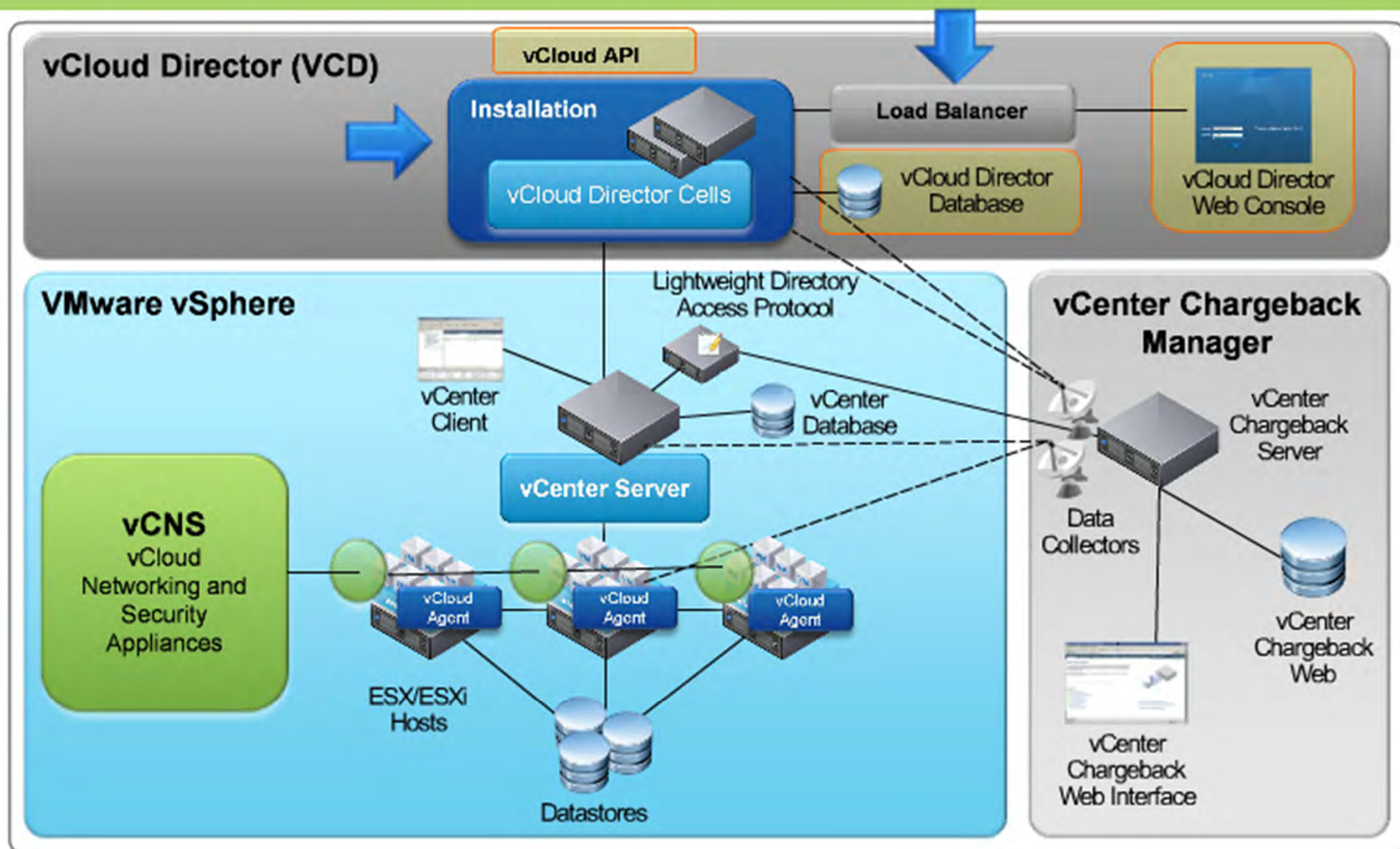


# vCloud Director Architecture



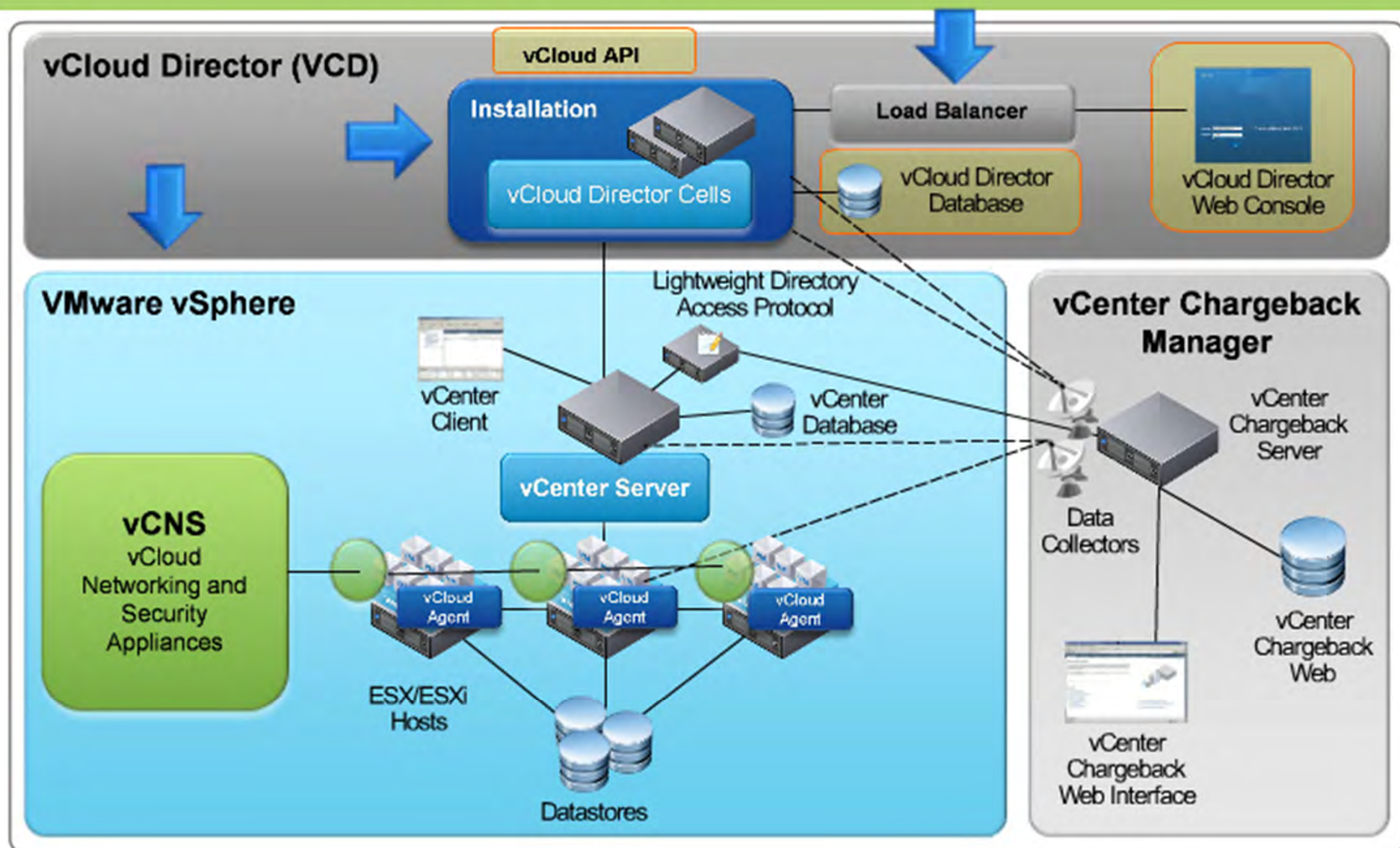


# vCloud Director Architecture

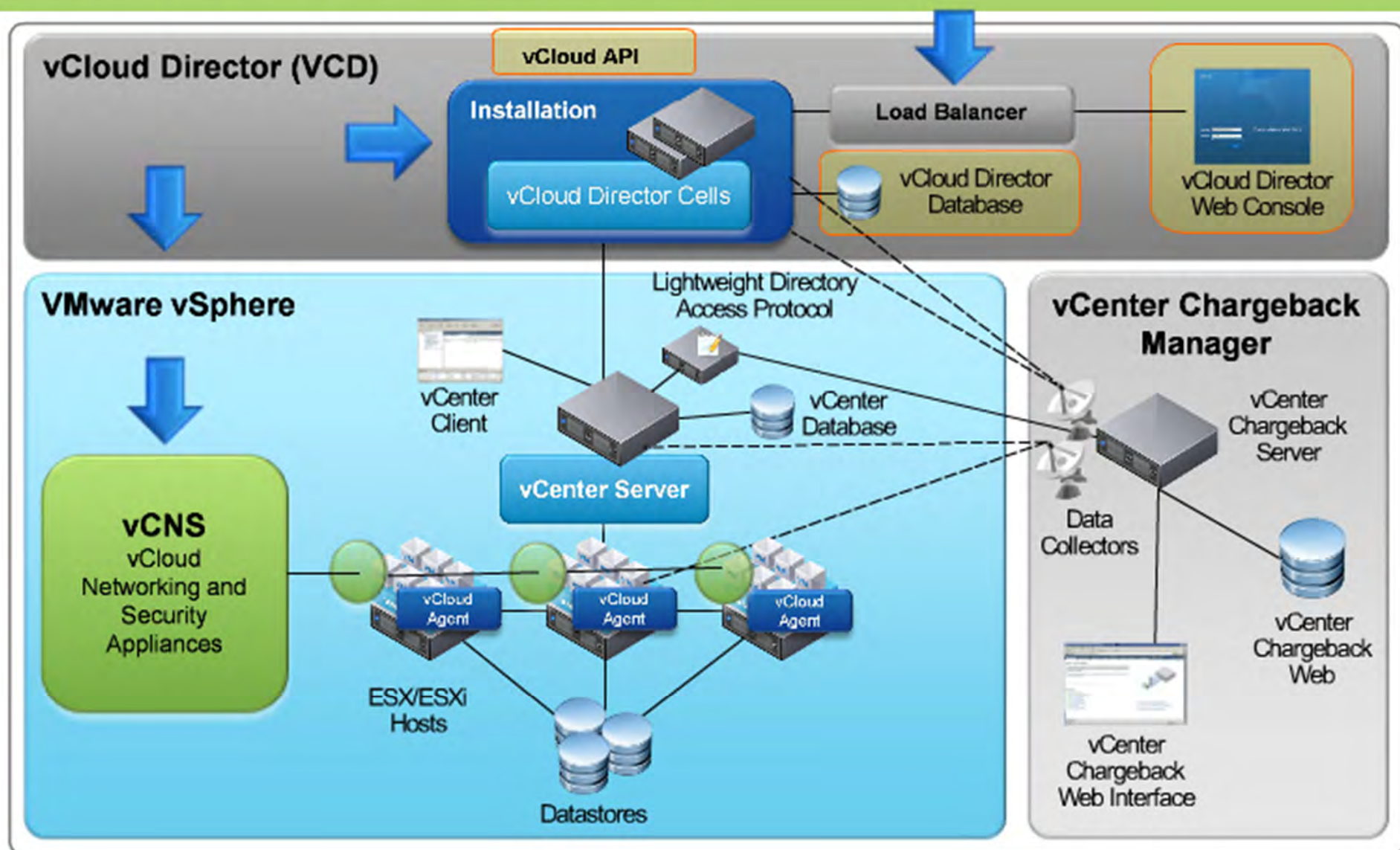




# vCloud Director Architecture

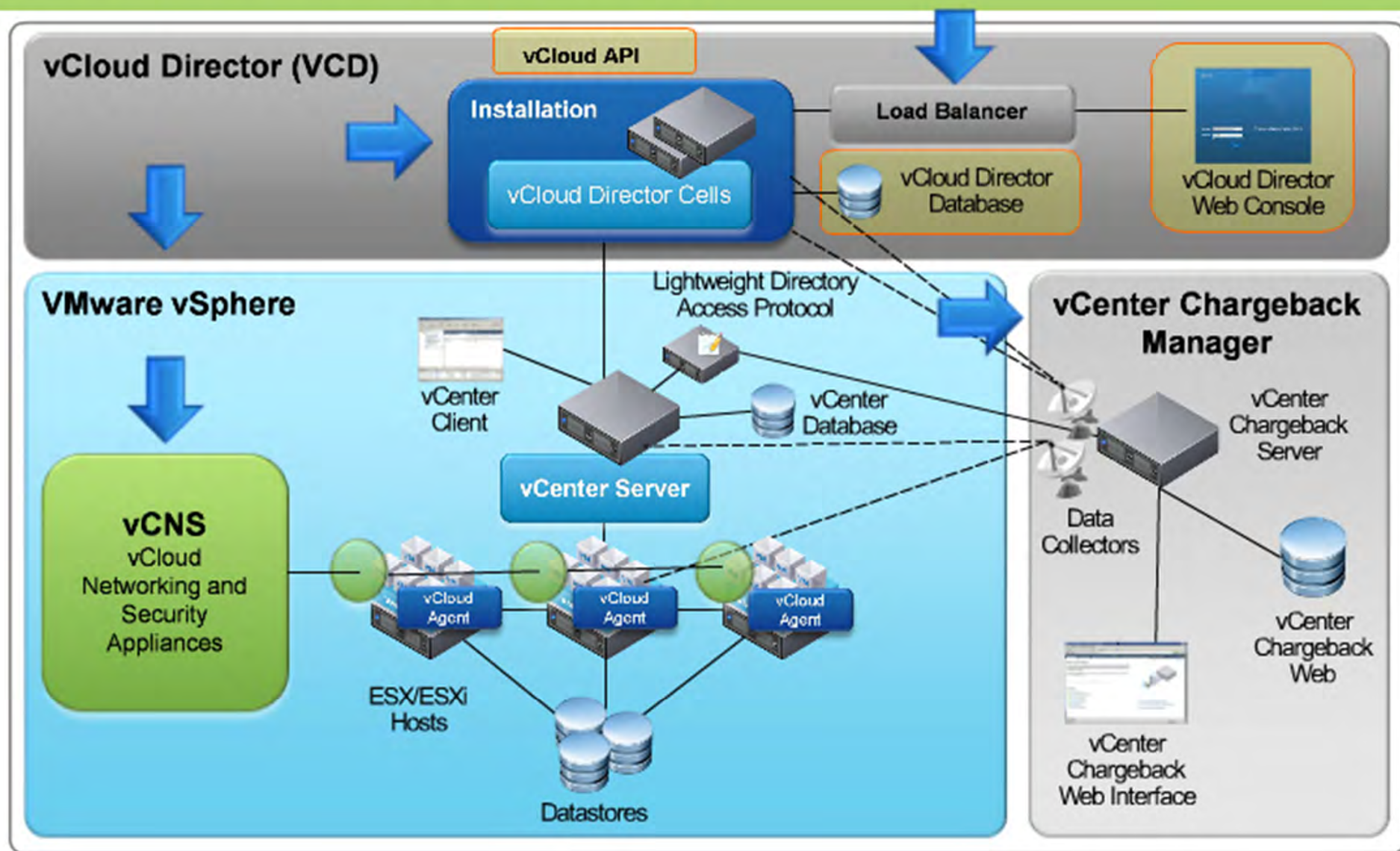


# vCloud Director Architecture





# vCloud Director Architecture



# Thanks

[sallamah.weebly.com](http://sallamah.weebly.com)