Welcome

To Advance through Presentation
Use Page Up and Page Down Keys

WebObjects

"This year's Software Product of the Year is Apple Computer's WebObjects 4.0. . .Along with substantial power and flexibility, WebObjects brings an ease of development rarely seen in industrial-strength development environments."

Introduction to WebObjects Java Client

Rory Lydon
Eric Noyau

WebObjects Engineering

Introduction to WebObjects Java Client

Rory Lydon
Eric Noyau

Java Client Development

Introduction to WebObjects Java Client

Patrick Gates
Ben Trumbull
Andreas Wendker

Java Client Development

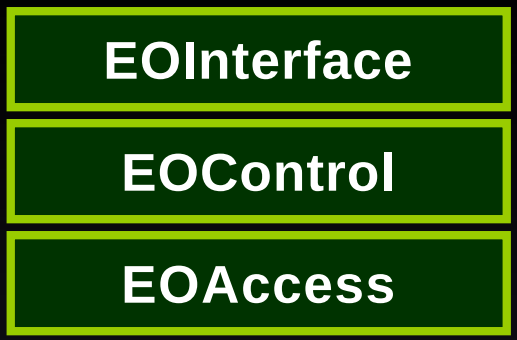
Session Agenda

- What Is WebObjects Java Client?
- Demo
- Questions and Answers

What Is WebObjects Java Client?

- Apple's EOF on the Web
- A Contemporary Port of a Time-tested Design
- A New Testament to Its Excellence

What Is EOF?



EOAccess

EOAccess

Abstract Database Server
(EOAdaptor)

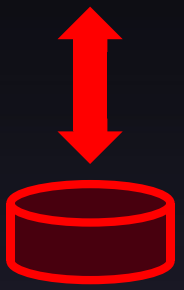
EOAccess

Object Retrieval and Storage
(EODatabaseContext)

EOAccess

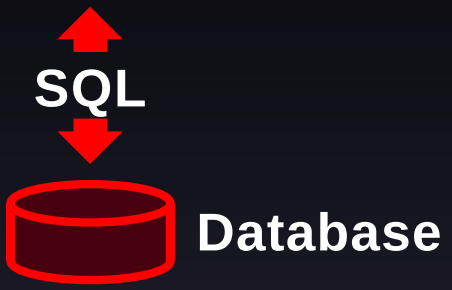
Database

EOAccess



Database

EOAccess



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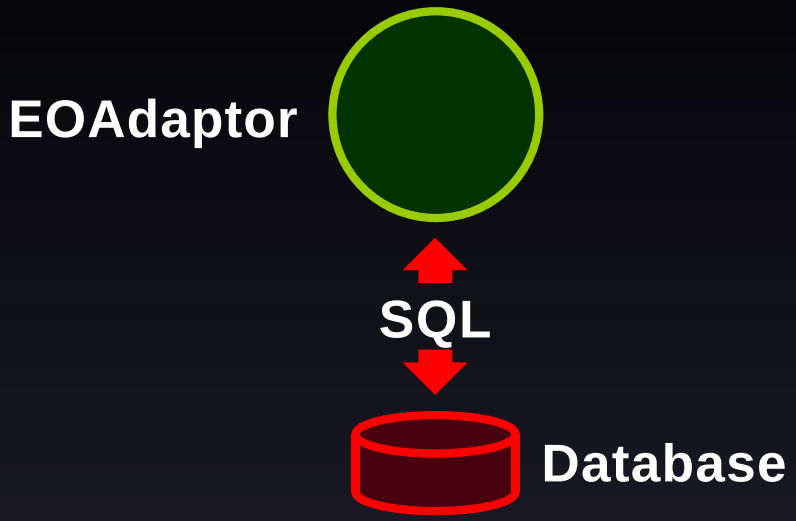

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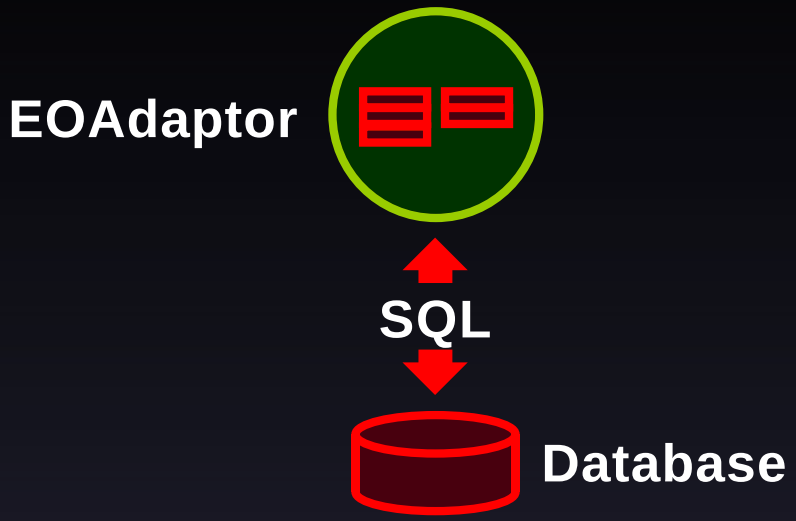

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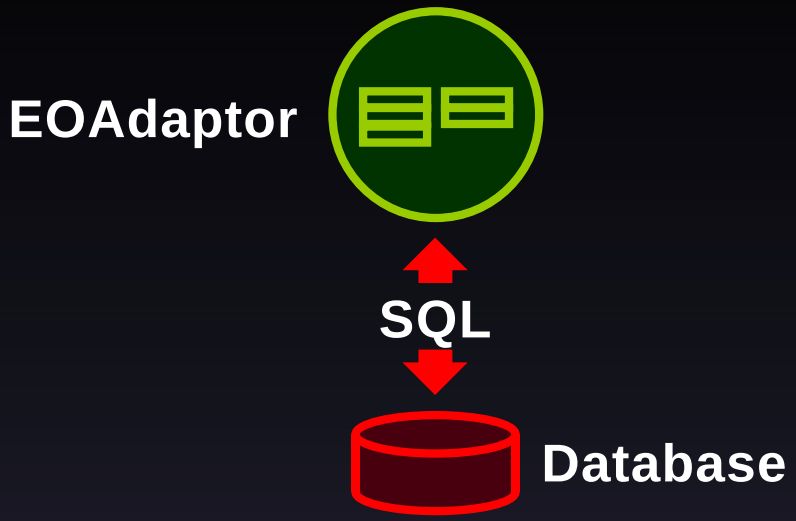

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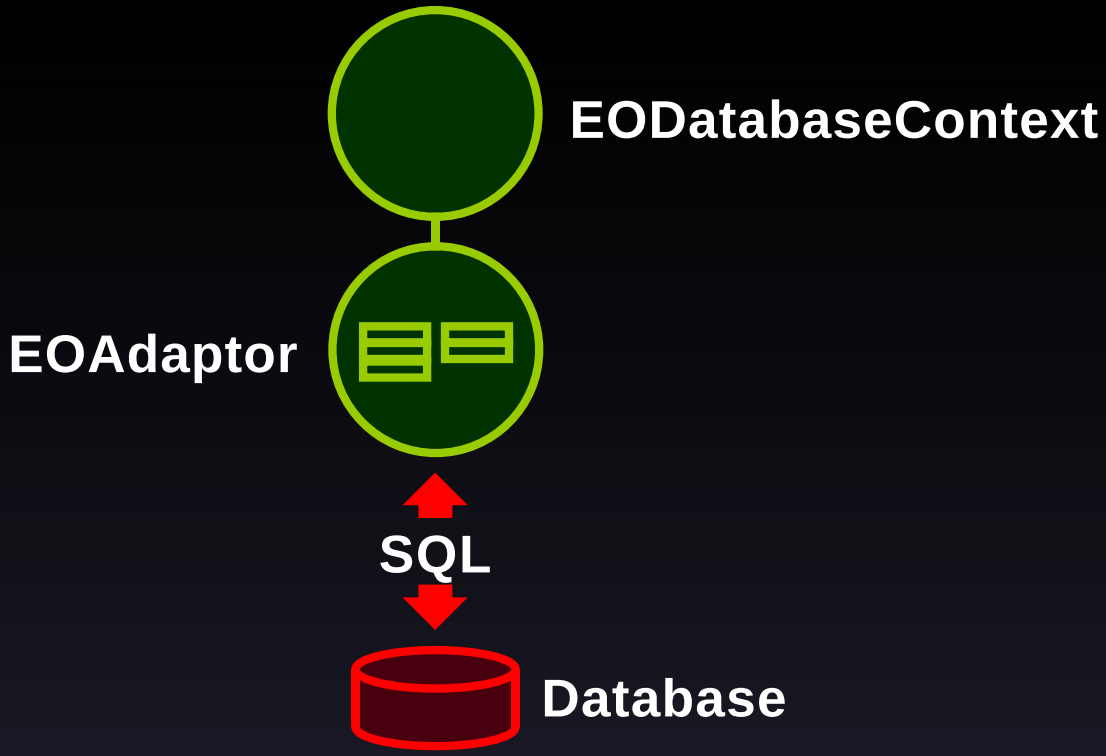

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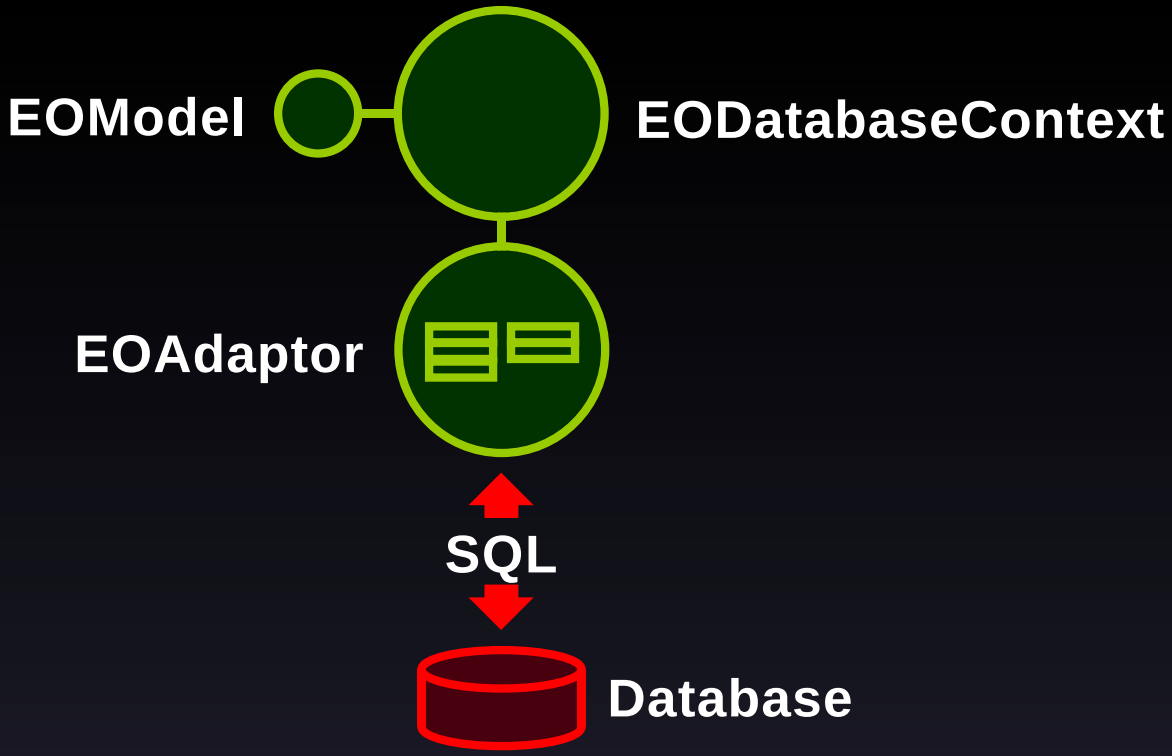

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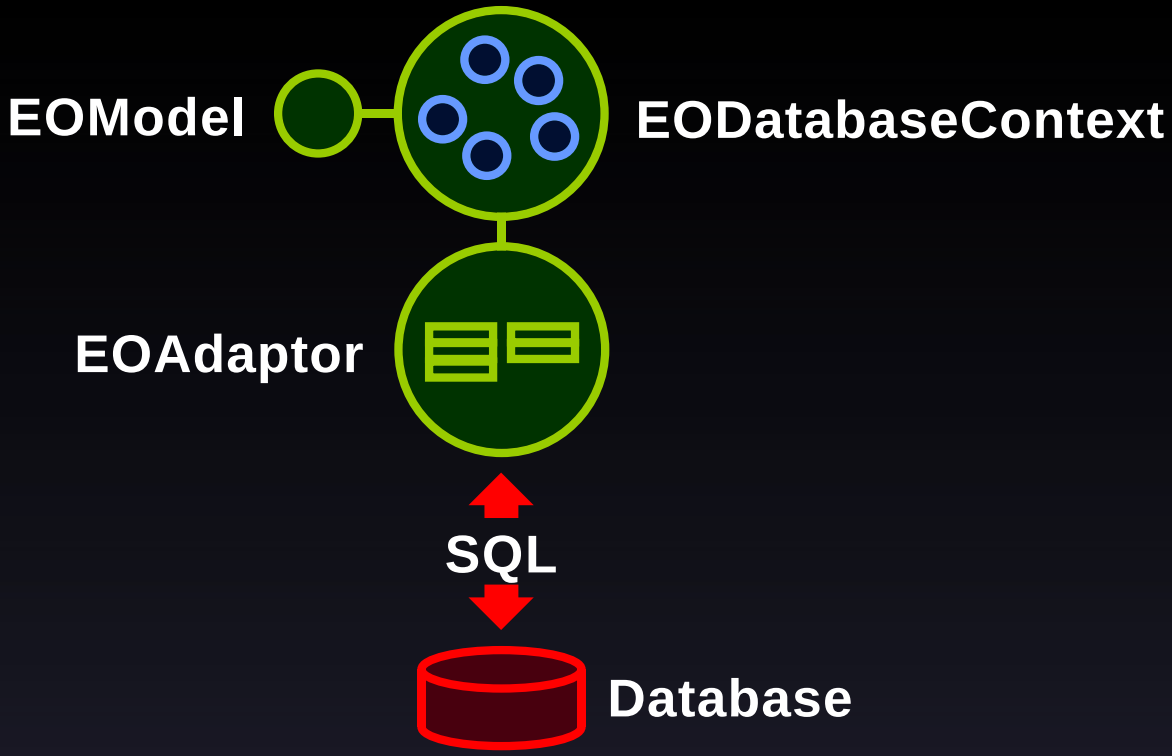

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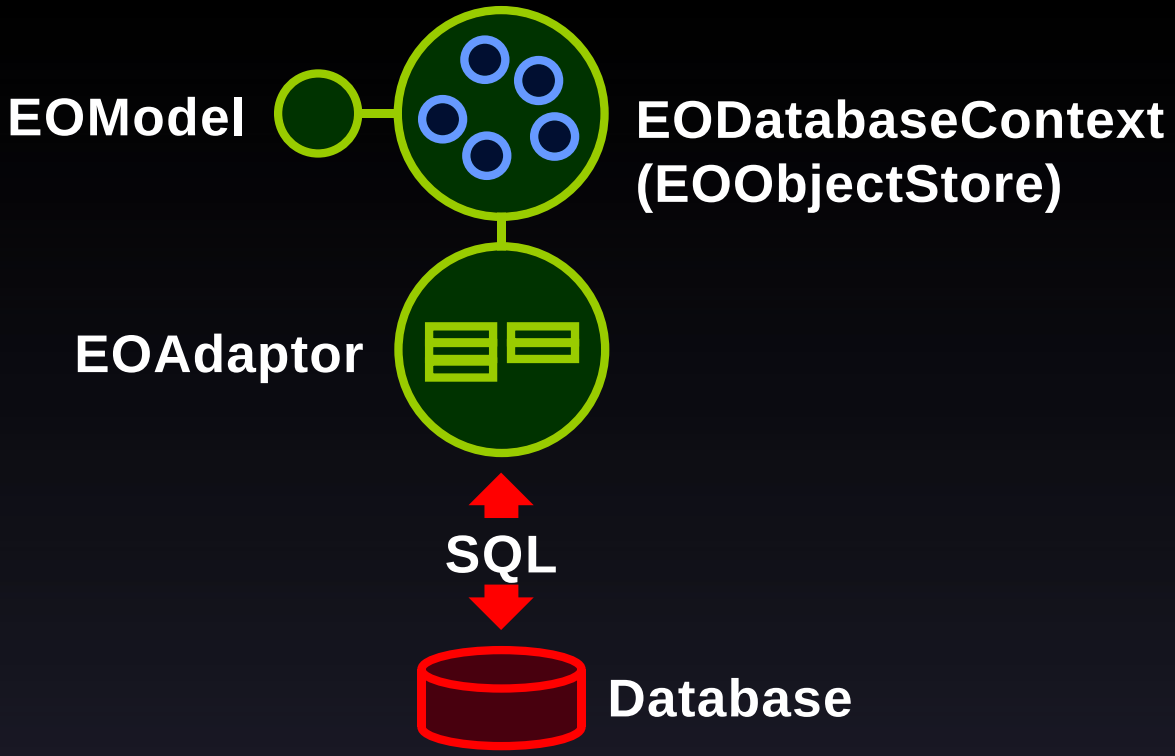
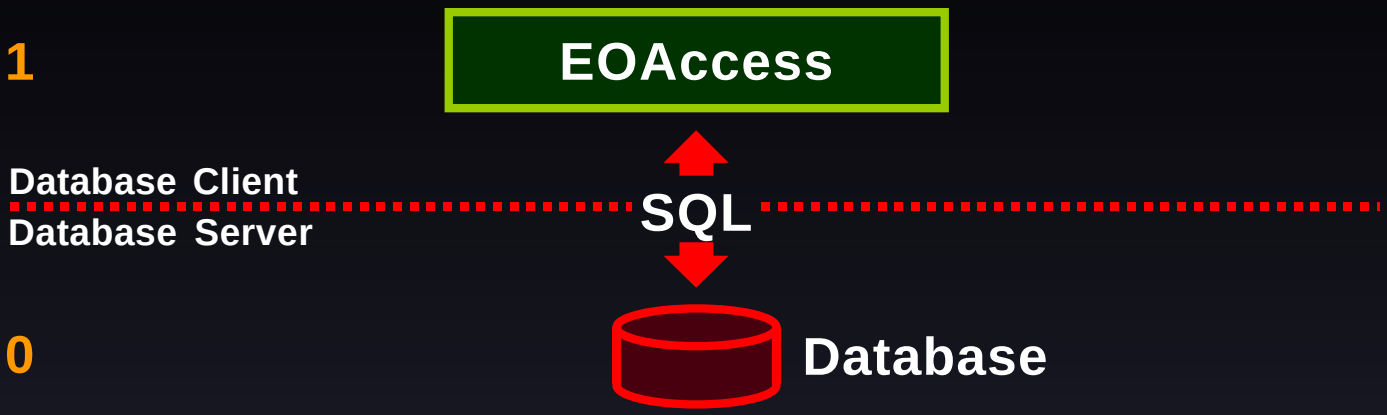

EOModel
EODatabaseContext
(EOObjectStore)
EOAdaptor
SQL
Database

EOAccess

Tiers



EOControl

EOControl

Object Graph Change Tracking
(EOEditingContext)

EOControl

Transparent Reference Rehydration
(EOFault)

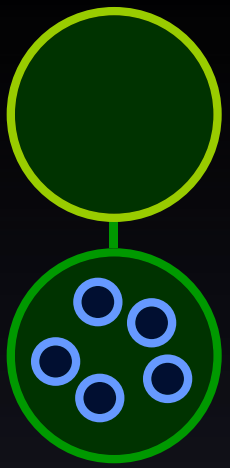
EOControl

EODatabaseContext

EOControl

EODatabaseContext
(EOObjectStore)

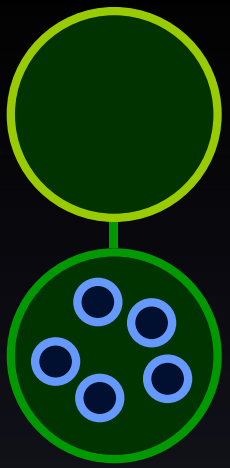
EOControl



EOEditingContext

EODatabaseContext
(EOObjectStore)

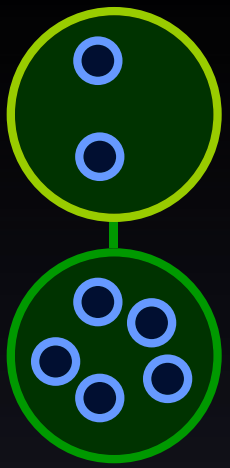
EOControl



EOEditingContext
(EOObjectStore)

EODatabaseContext
(EOObjectStore)

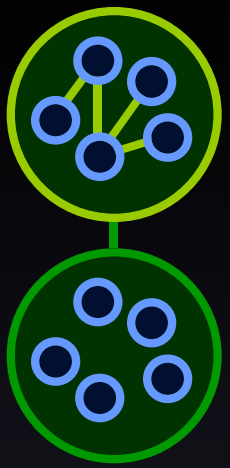
EOControl



EOEditingContext

EODatabaseContext
(EOObjectStore)

EOControl

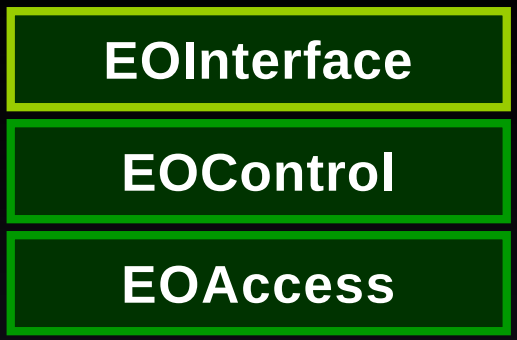


EOEditingContext

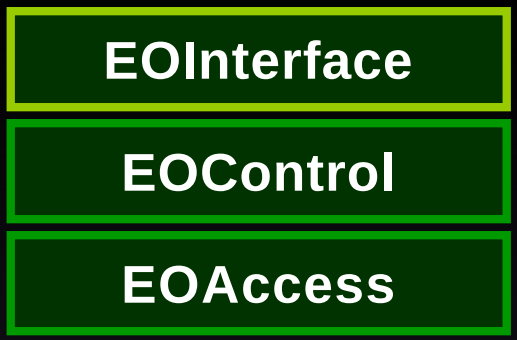
EODatabaseContext
(EOObjectStore)

EOControl

EOInterface

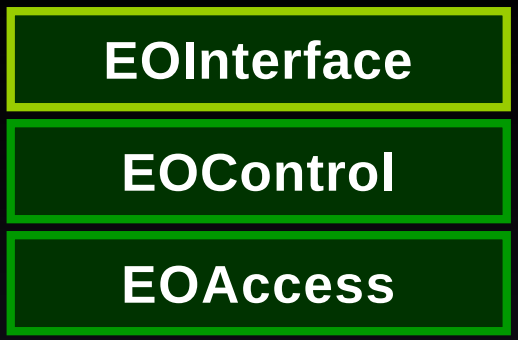


EOInterface



Object Selection Tracking
(EODisplayGroup)

EOInterface

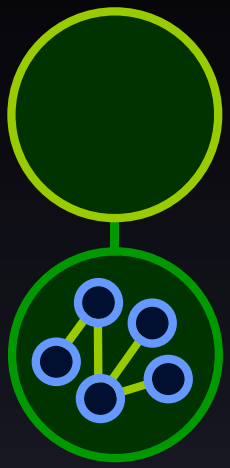


Object-View Synchronization
(EOAssociation)

EOInterface

EOEditingContext

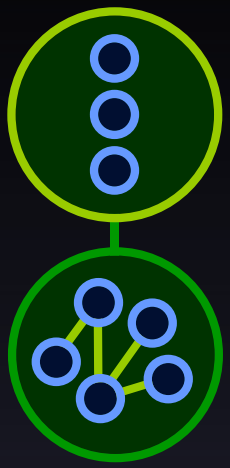
EOInterface



EODisplayGroup

EOEditingContext

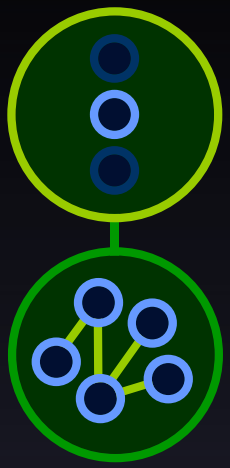
EOInterface



EODisplayGroup

EOEditingContext

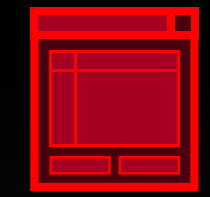
EOInterface

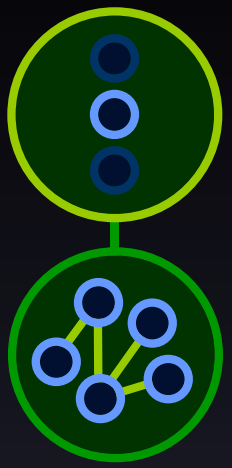


EODisplayGroup

EOEditingContext

EOInterface

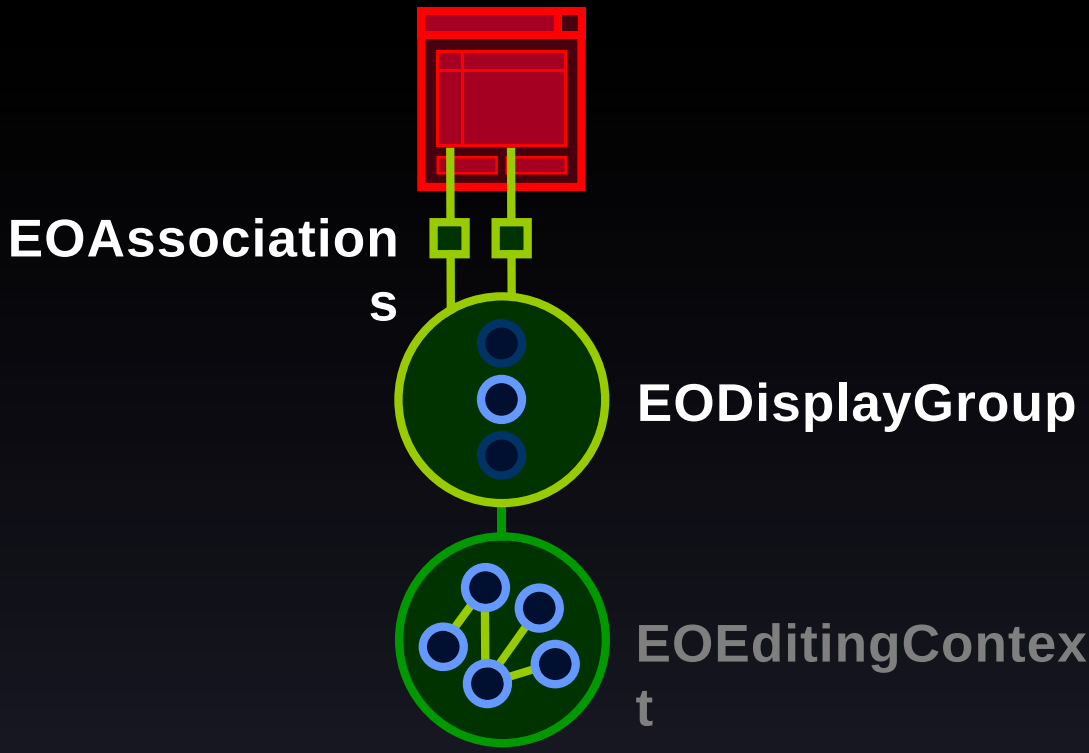




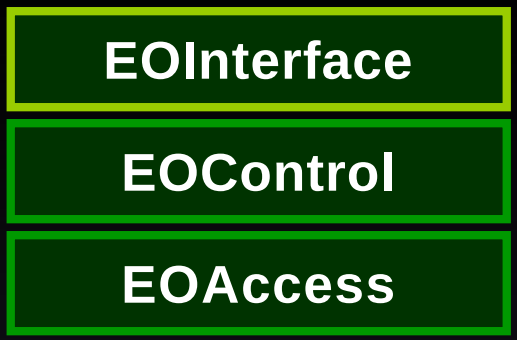
EODisplayGroup

EOEditingContext

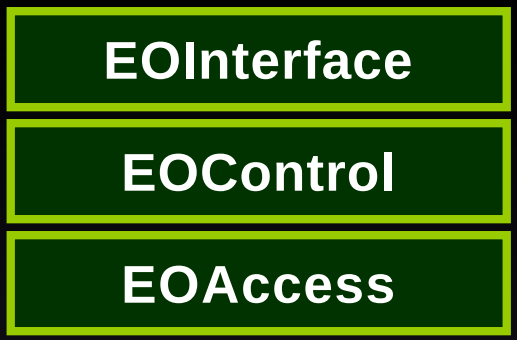
EOInterface



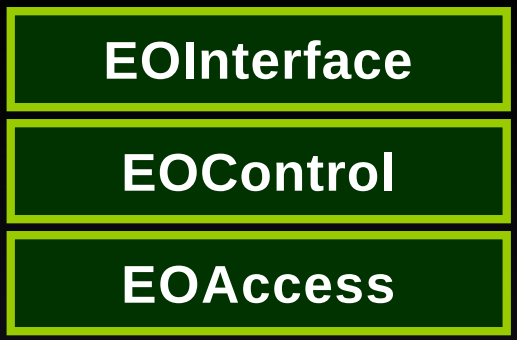
EOInterface



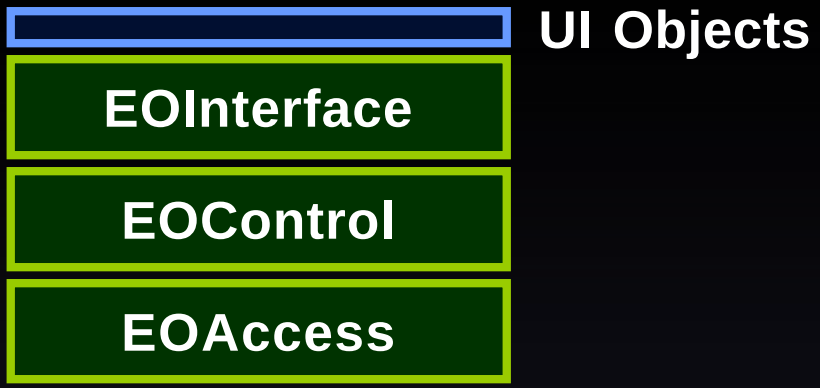
EOF



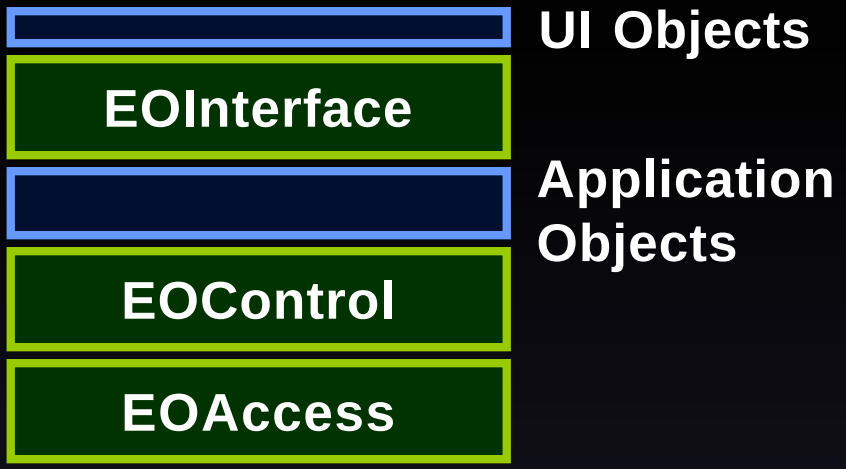
Nice Shoulders



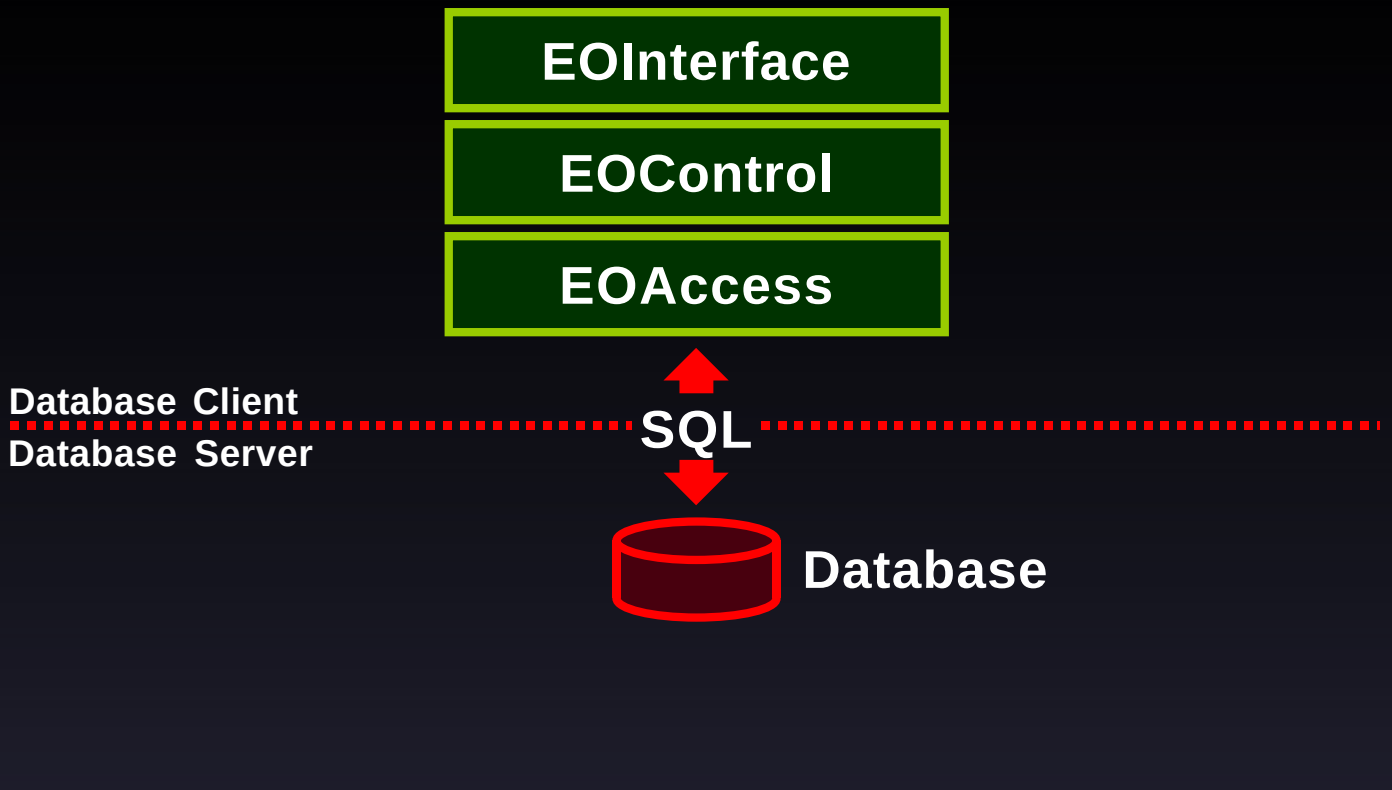
Nice Shoulders



Nice Shoulders

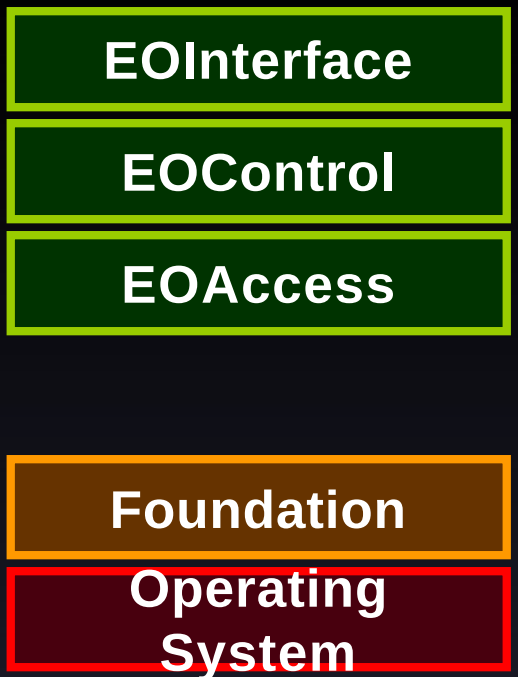


EOF Client-Server



EOF Client

EOF Client


EOInterface
EOControl
EOAccess
Foundation
Operating System

EOF Client

EOInterface
EOControl
EOAccess
AppKit
Foundation
Operating System

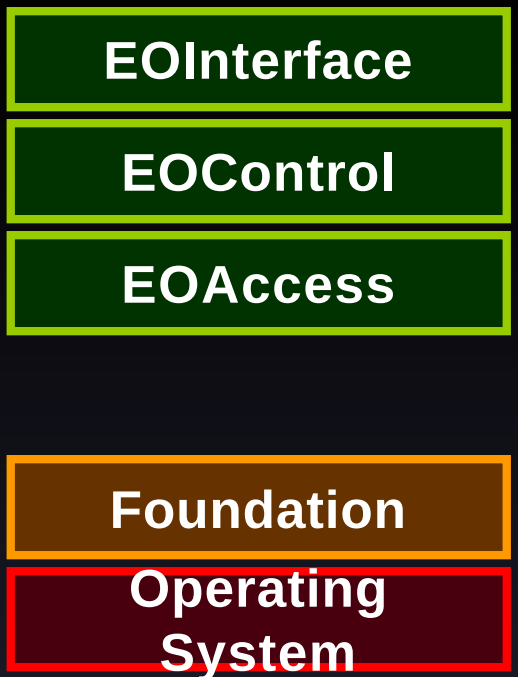
Cocoa Client

The Web

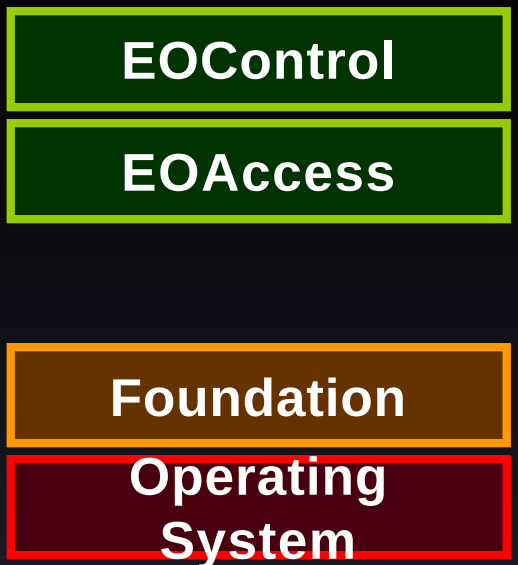
What Is WebObjects?

What Is WebObjects?

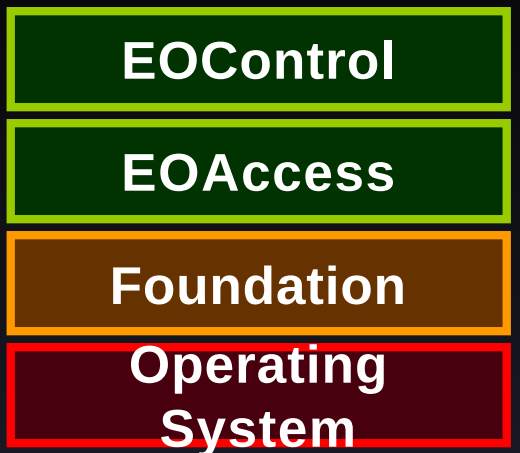
WebObjects


EOInterface
EOControl
EOAccess
Foundation
Operating System

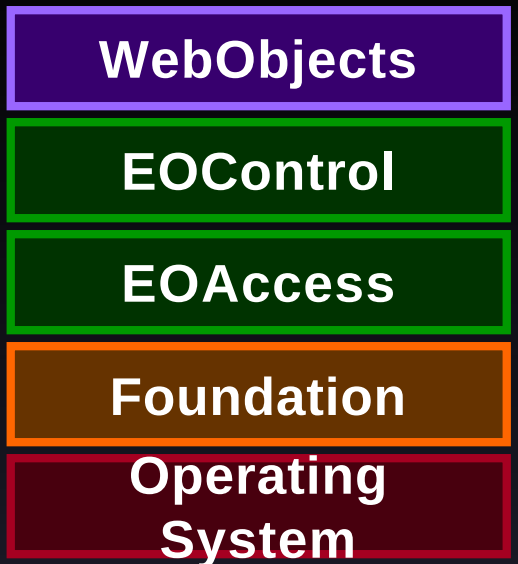
WebObjects



WebObjects



WebObjects


WebObjects
EOControl
EOAccess
Foundation
Operating System

WebObjects

HTML Server Process
(WOApplication)

WebObjects

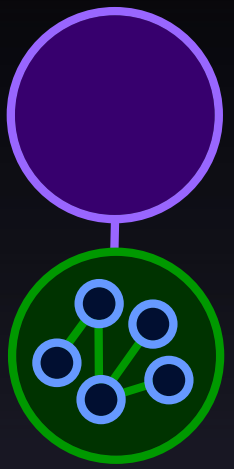
WebObjects

Client State Management (WOSession)

WebObjects

WOApplication

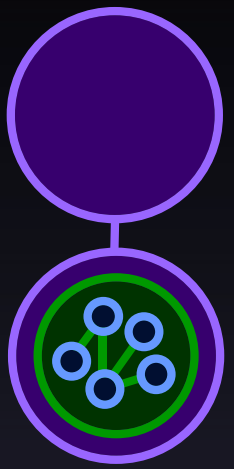
WebObjects



WOApplication

EOEditingContext

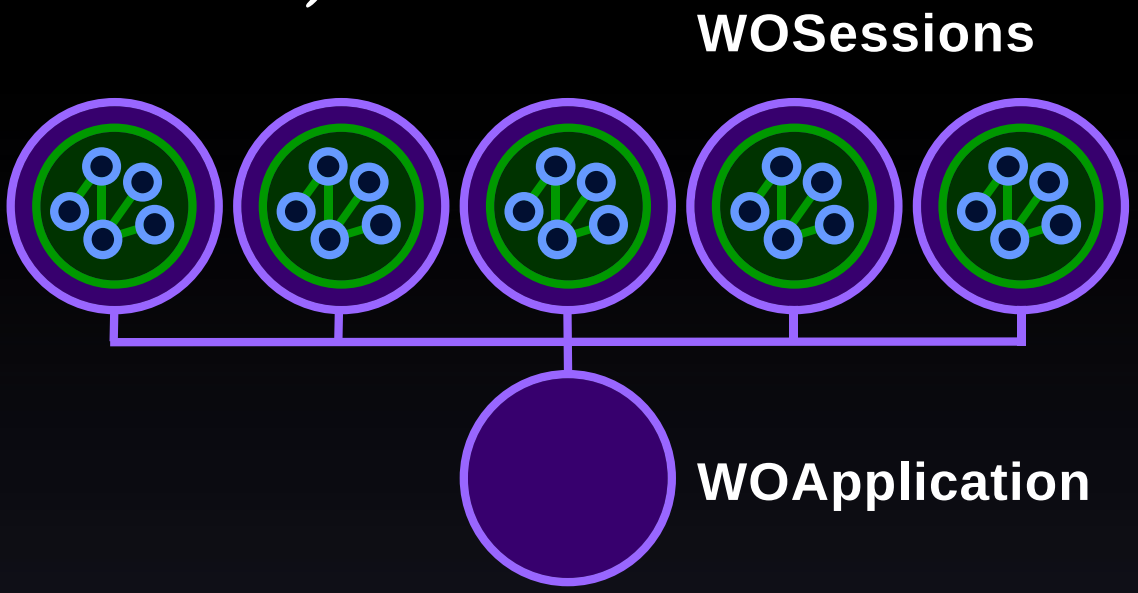
WebObjects



WOApplication

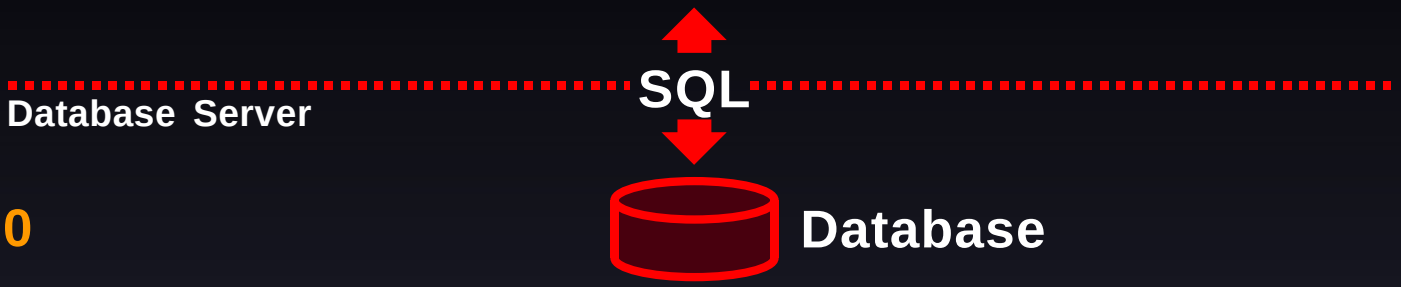
WOSession

WebObjects

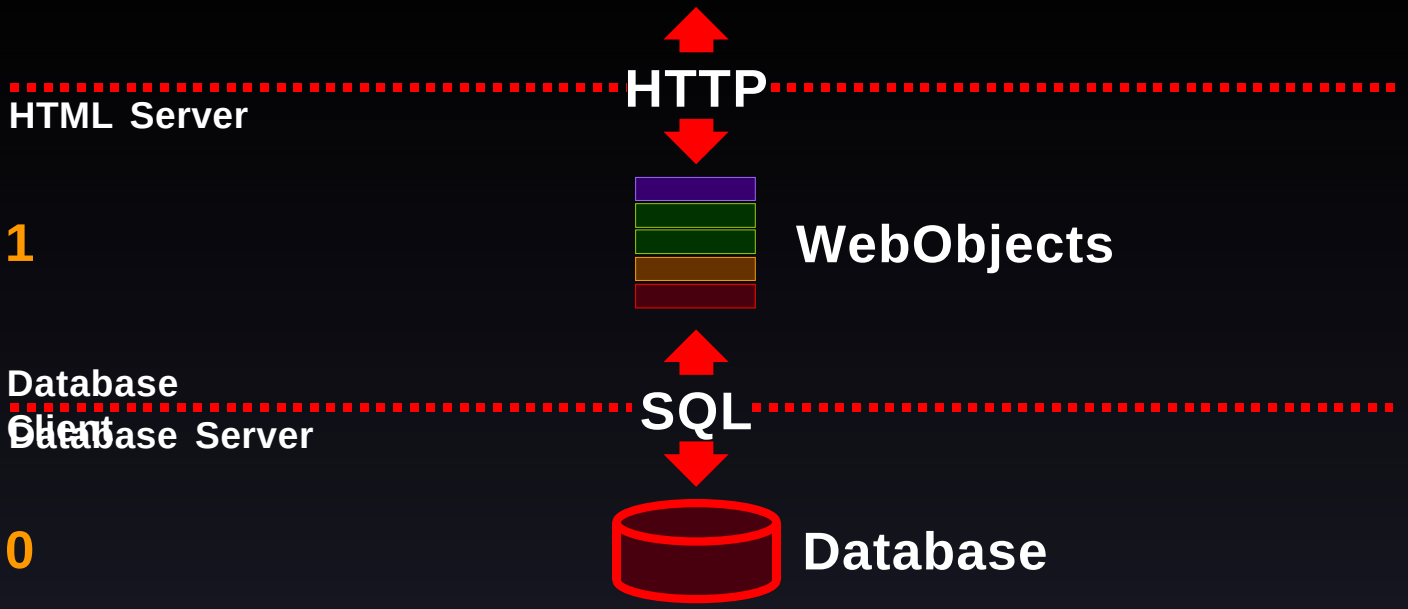


Tiers

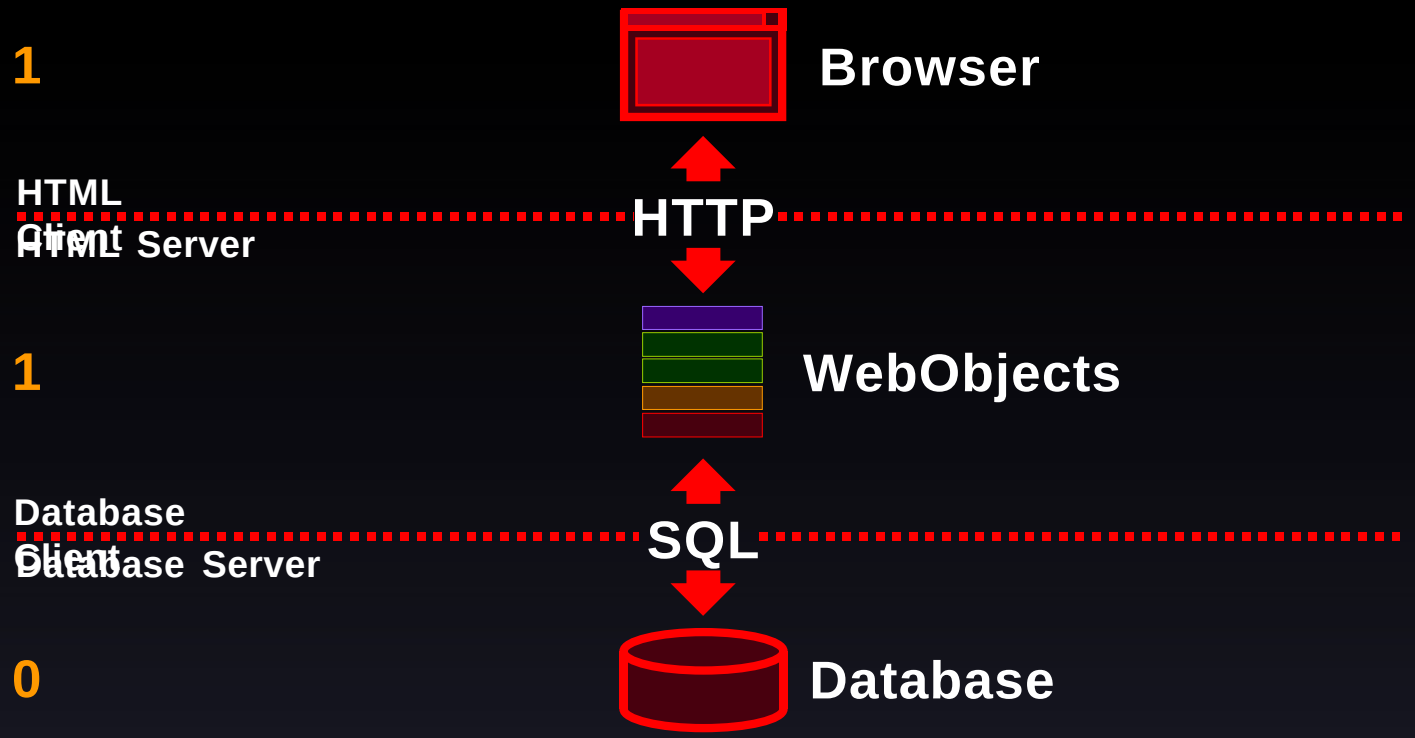
Database Server



HTML Server

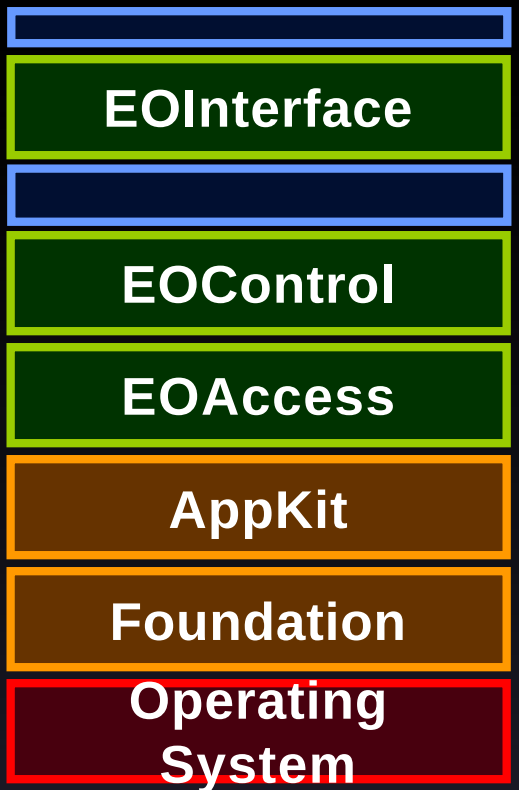

HTTP
HTML Server
1
WebObjects
Database Client
SQL
Database Server
0
Database

Dumb Client

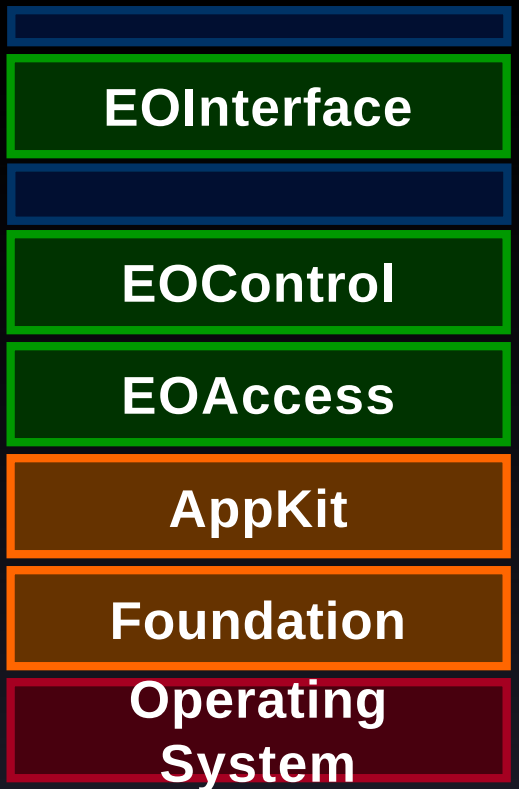

1
Browser
HTML
Client
HTTP
HTML Server
1
WebObjects
Database
Client
SQL
Database Server
0
Database

Java

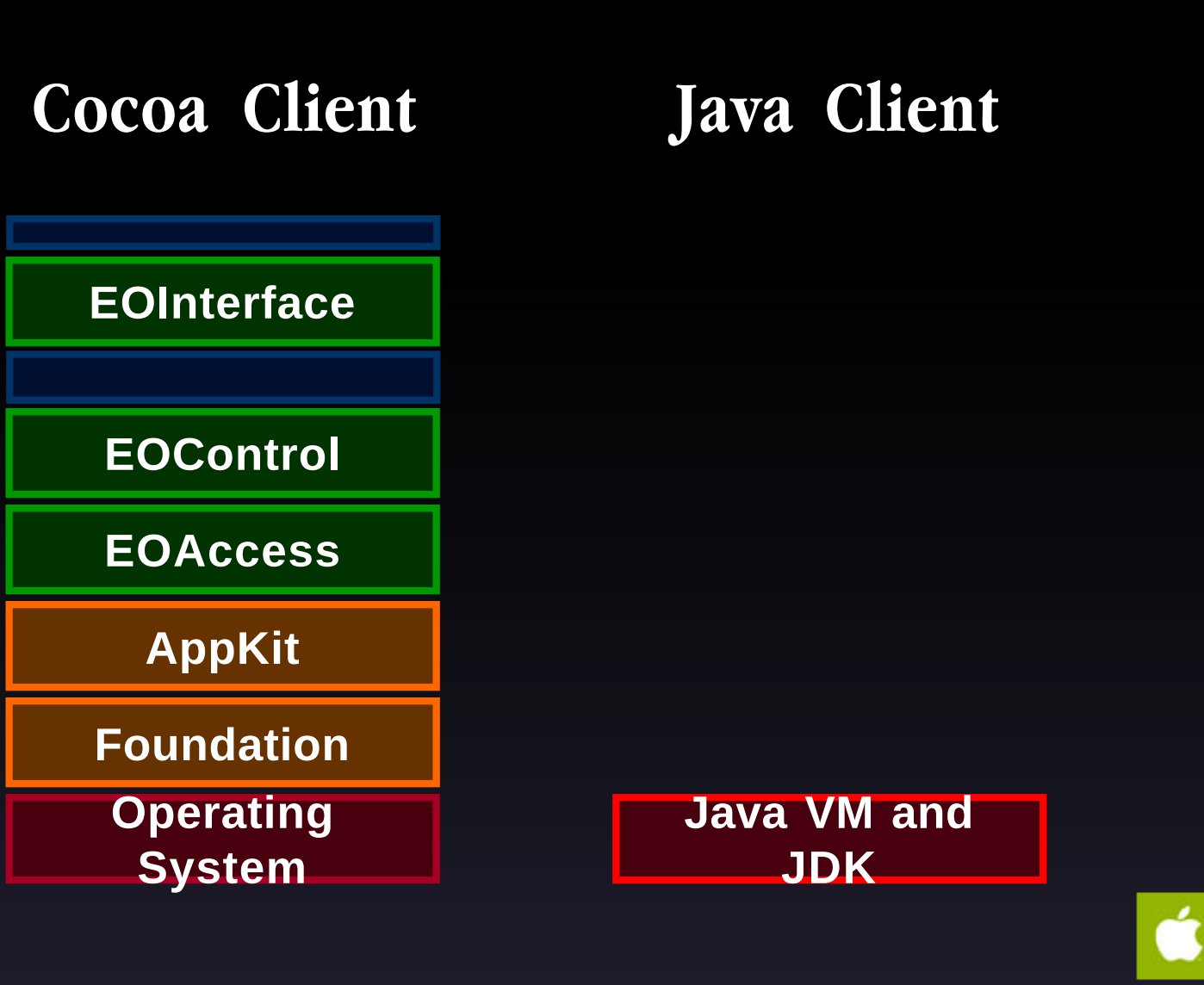
Cocoa Client

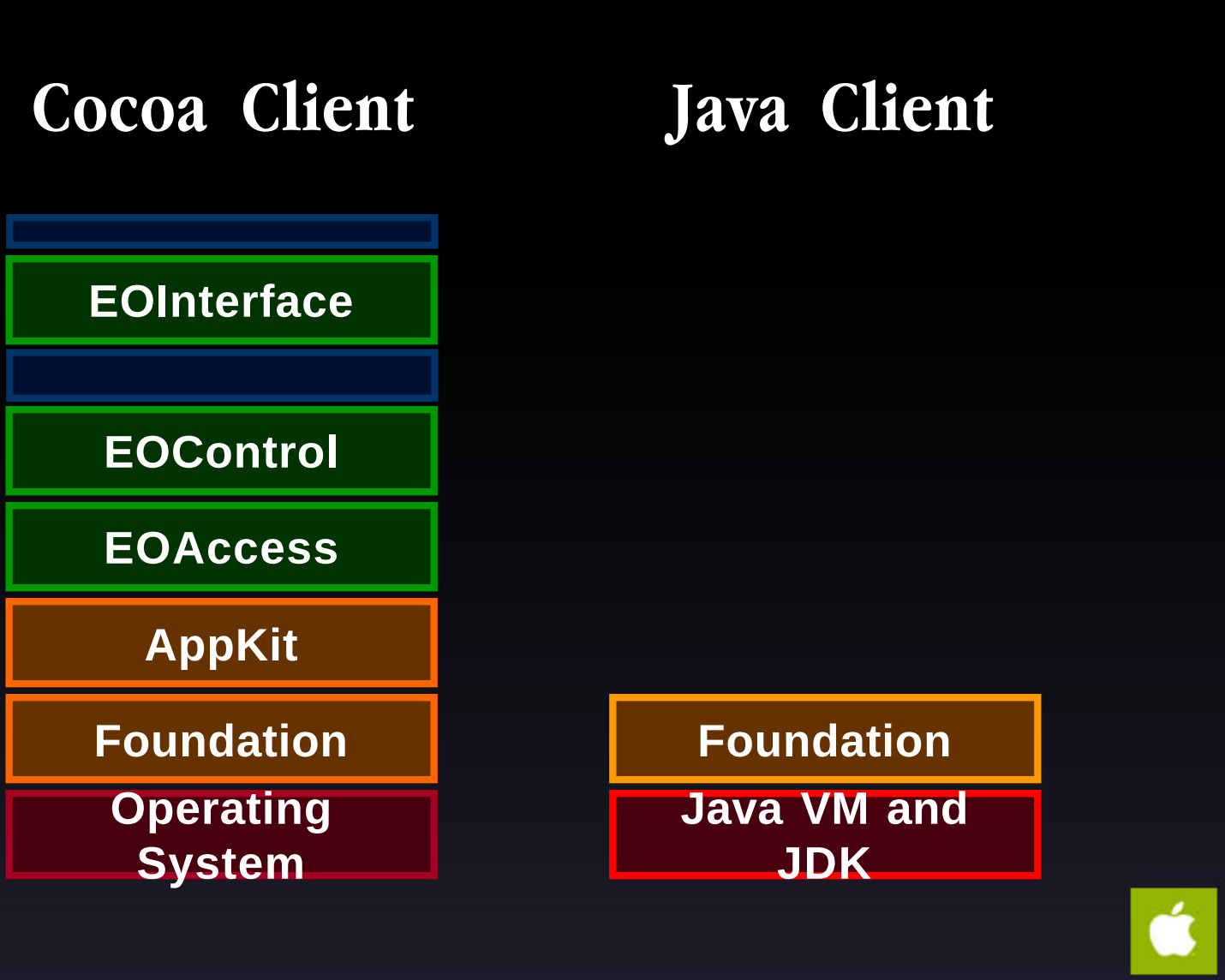


Cocoa Client



Java Client


Cocoa Client
Java Client
EOInterface
EOControl
EOAccess
AppKit
Foundation
Operating System
Java VM and JDK


Cocoa Client
Java Client
EOInterface
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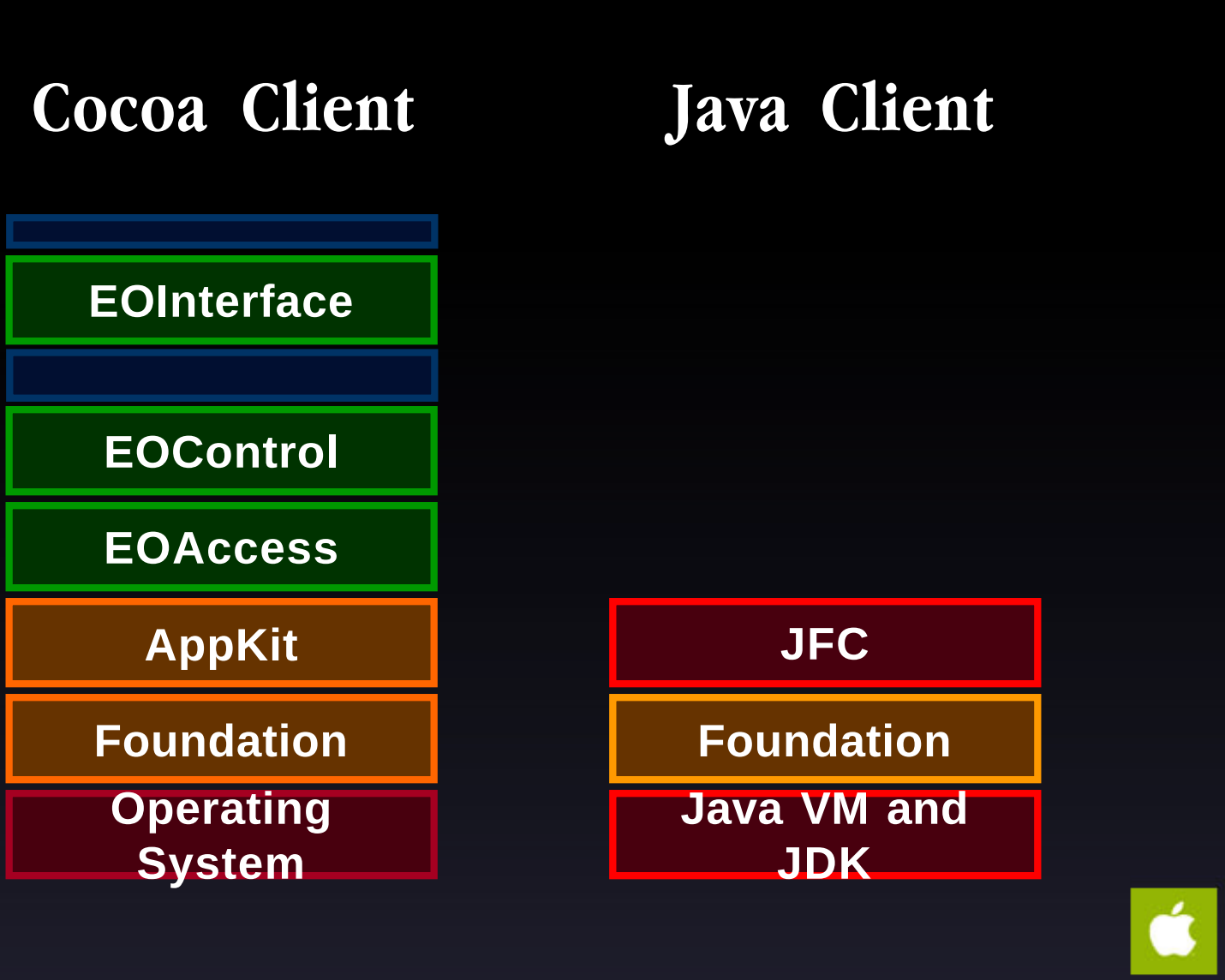
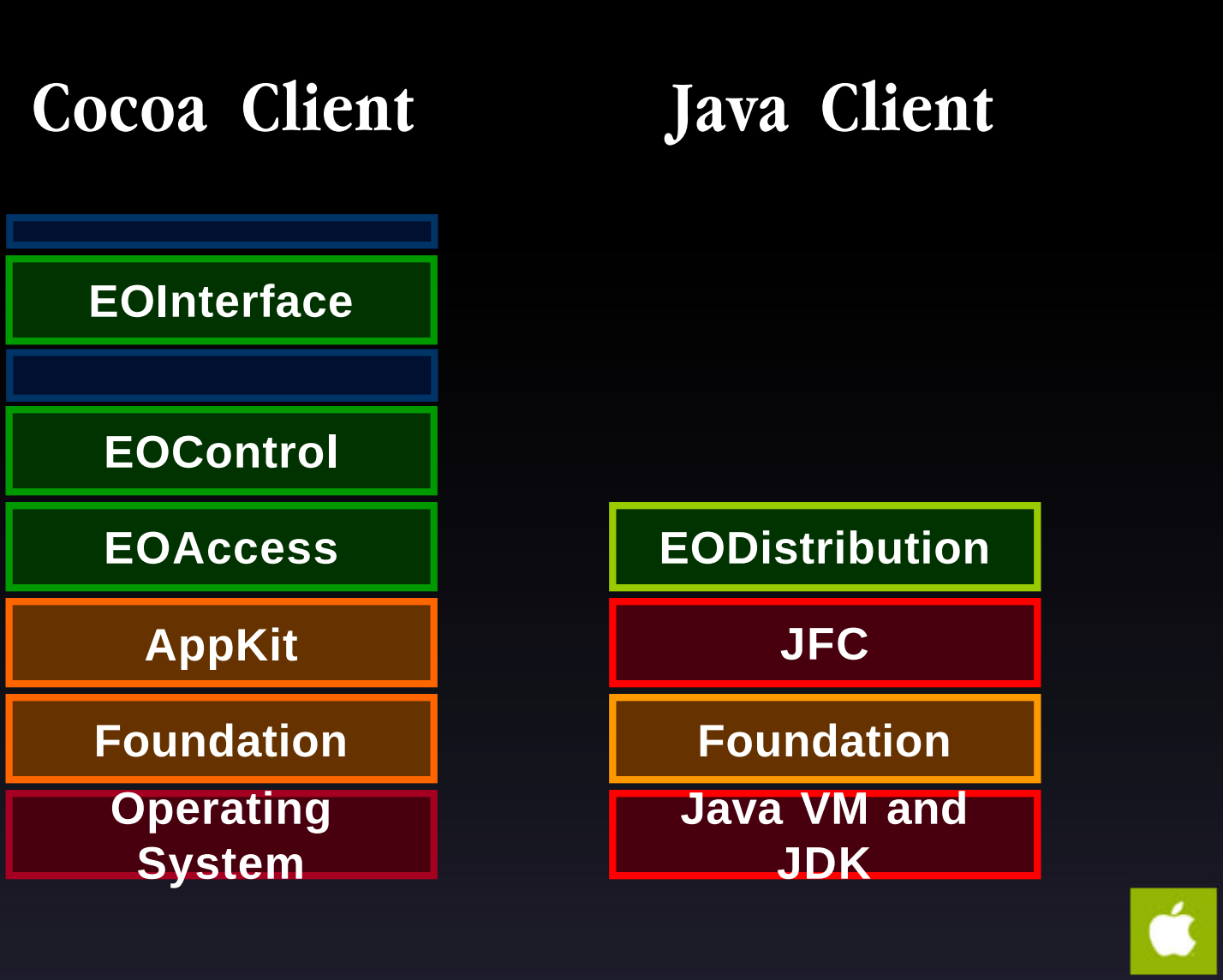
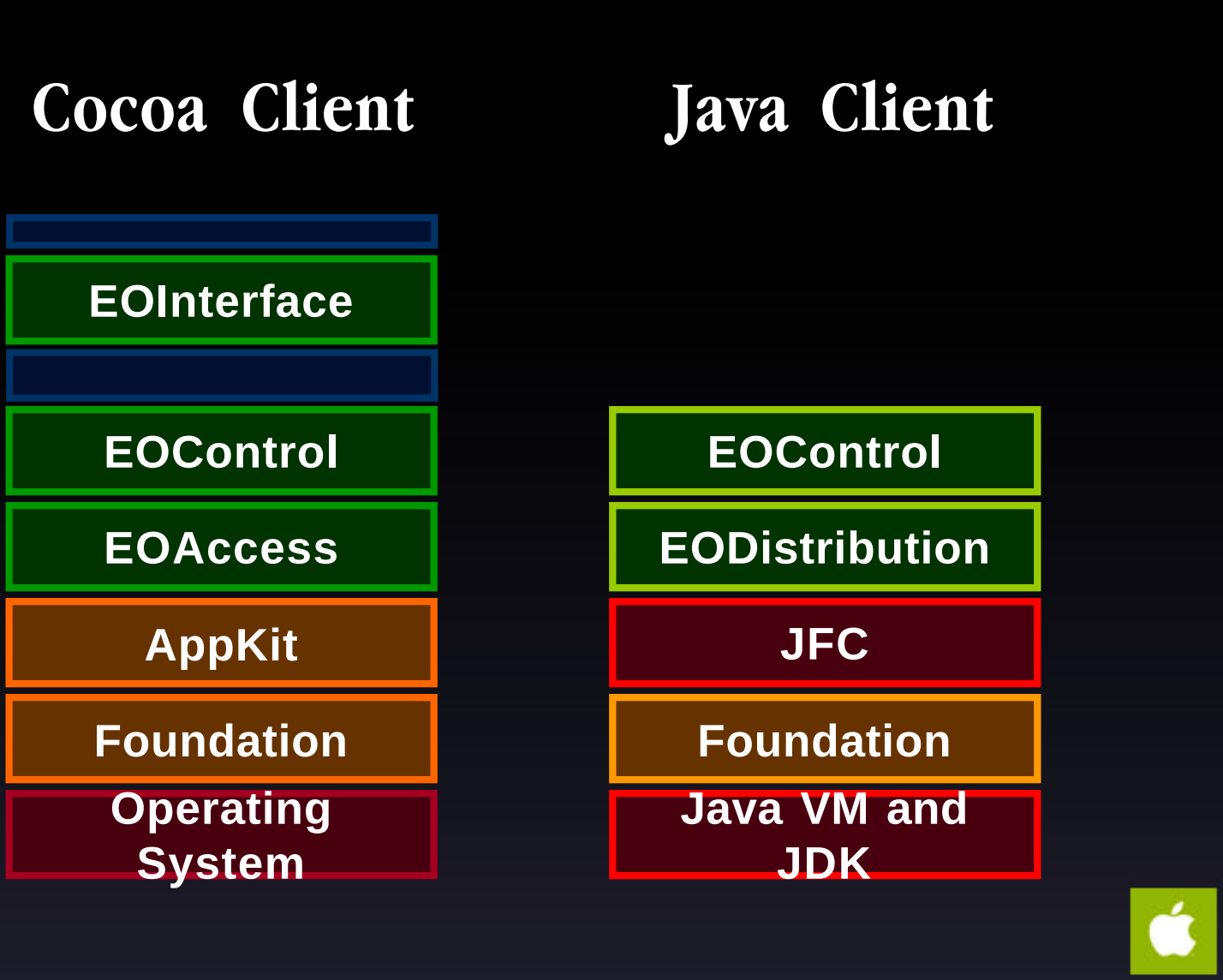
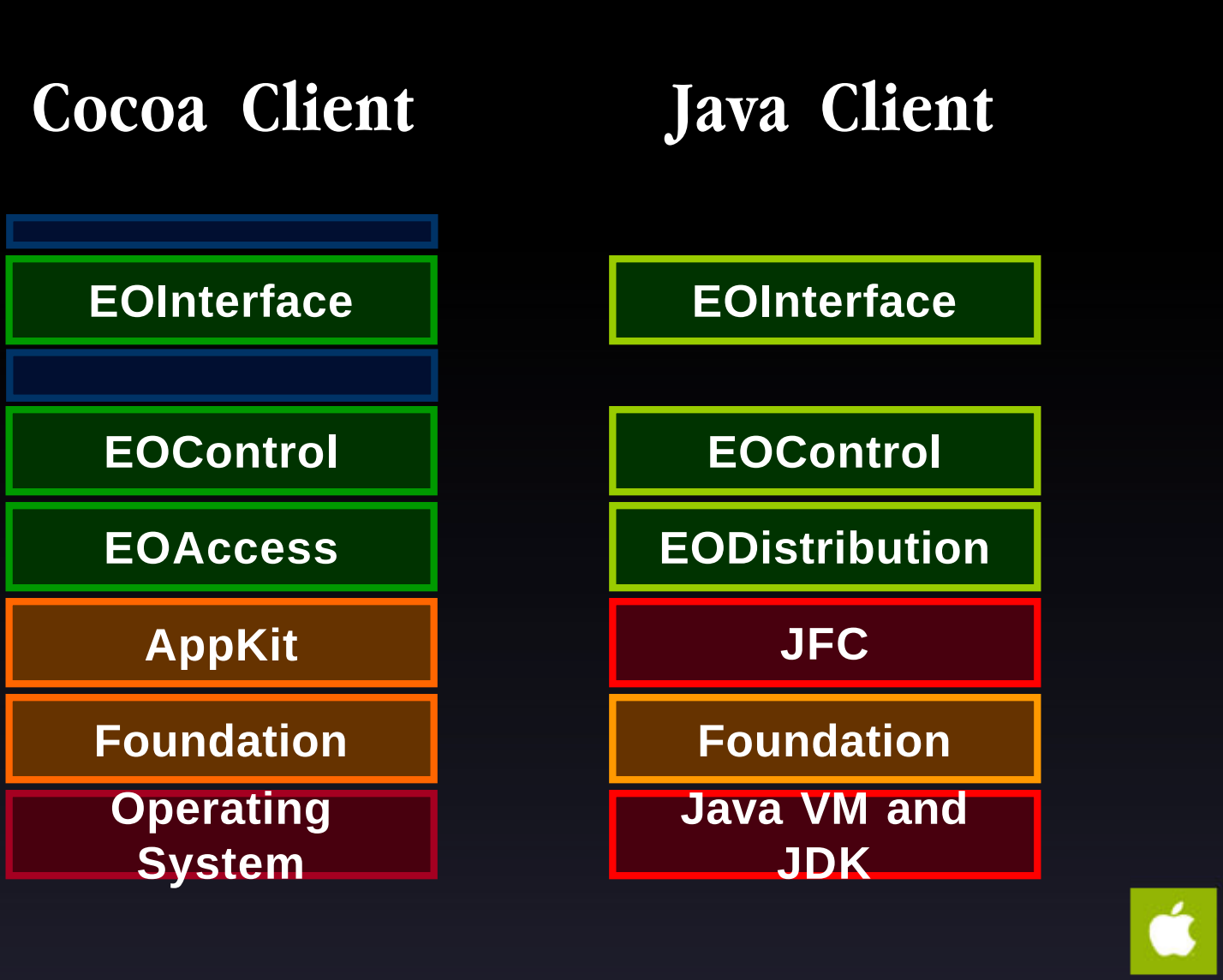
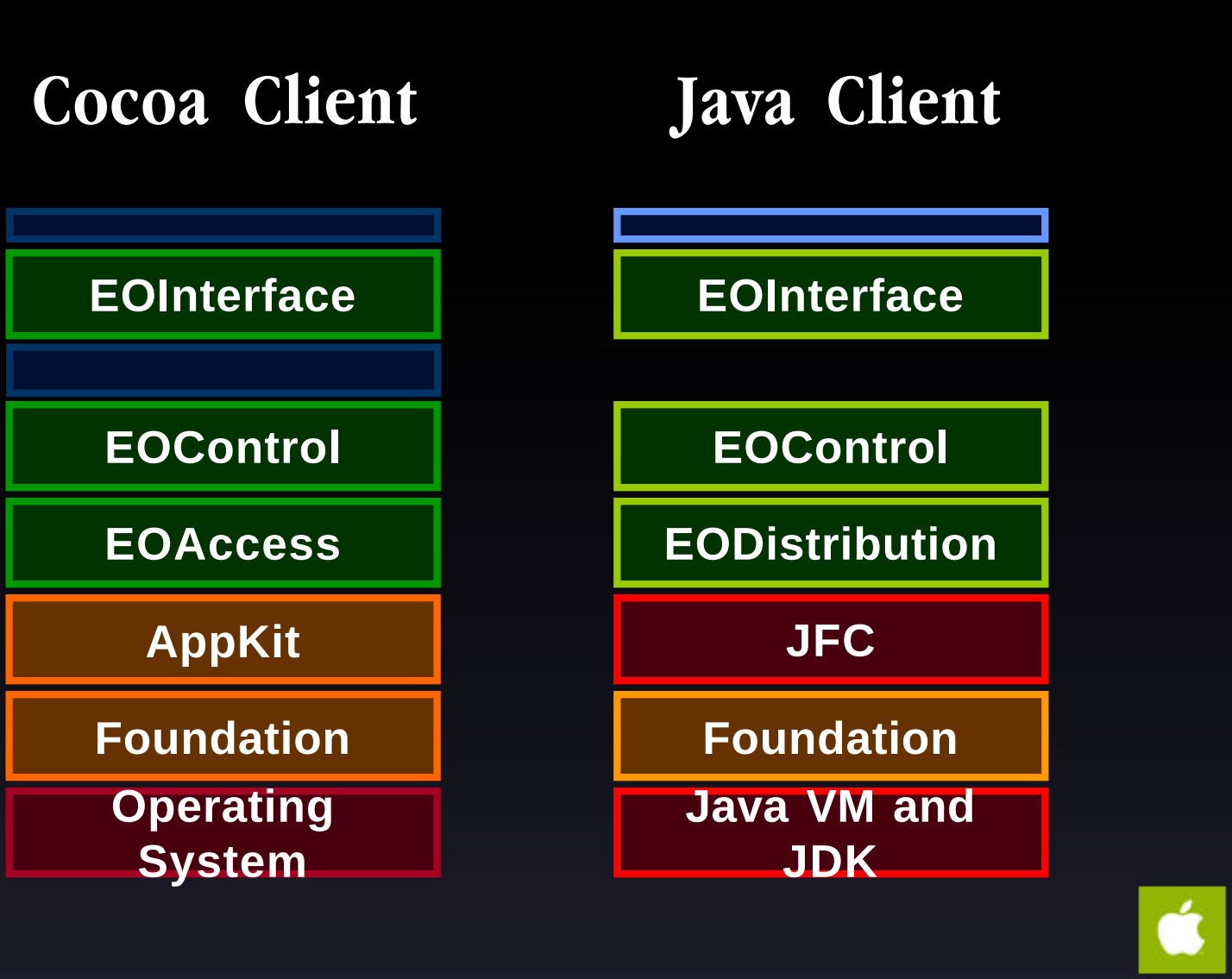
AppKit
Foundation
Operating System
Foundation
Java VM and JDK


Cocoa Client
EOInterface
EOControl
EOAccess
AppKit
Foundation
Operating System
Java Client
JFC
Foundation
Java VM and JDK


Cocoa Client
EOInterface
EOControl
EOAccess
AppKit
Foundation
Operating System
Java Client
EODistribution
JFC
Foundation
Java VM and JDK


Cocoa Client
EOInterface
EOControl
EOAccess
AppKit
Foundation
Operating System
Java Client
EOControl
EODistribution
JFC
Foundation
Java VM and JDK


Cocoa Client
EOInterface
EOControl
EOAccess
AppKit
Foundation
Operating System
Java Client
EOInterface
EOControl
EODistribution
JFC
Foundation
Java VM and JDK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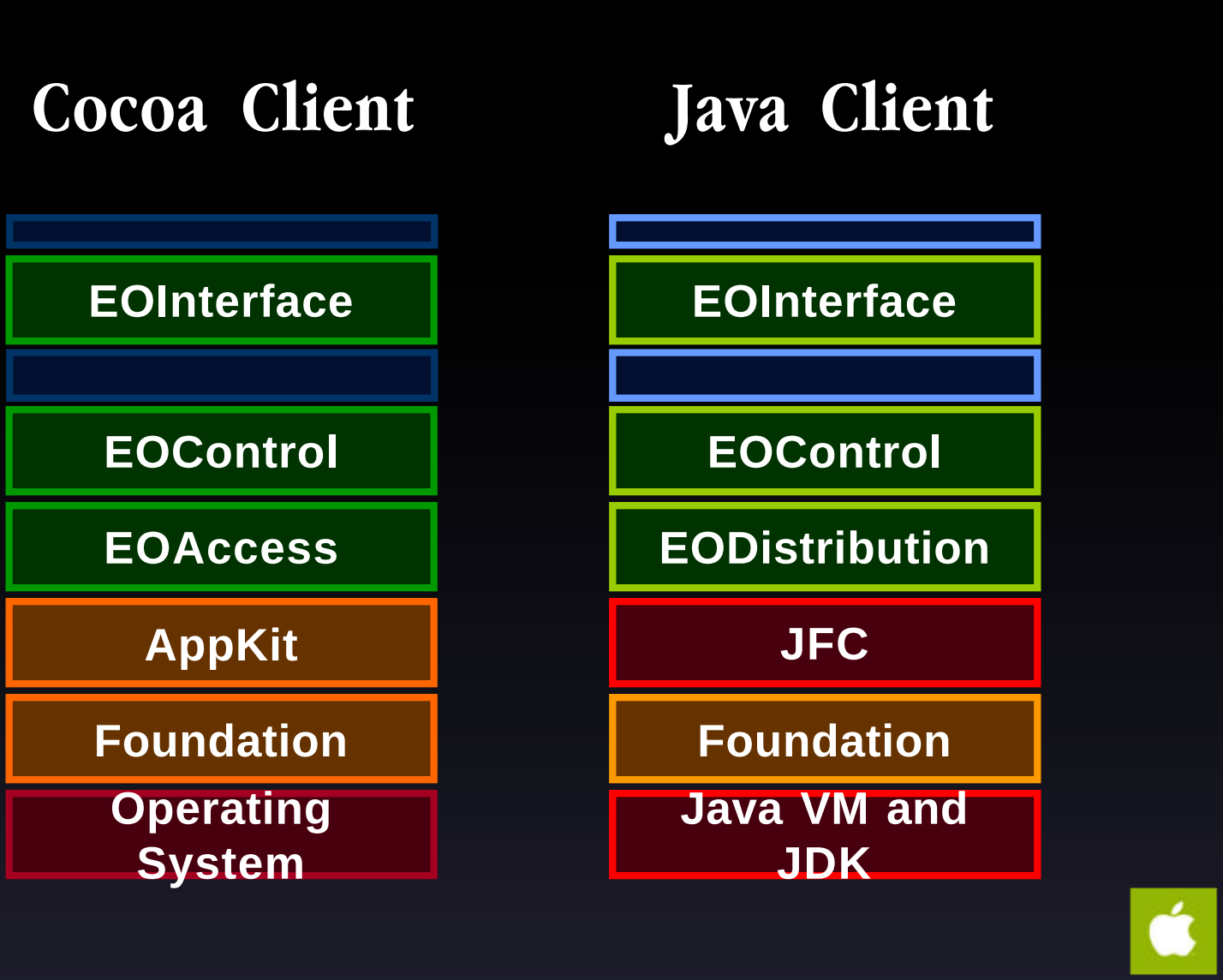
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EOInterface
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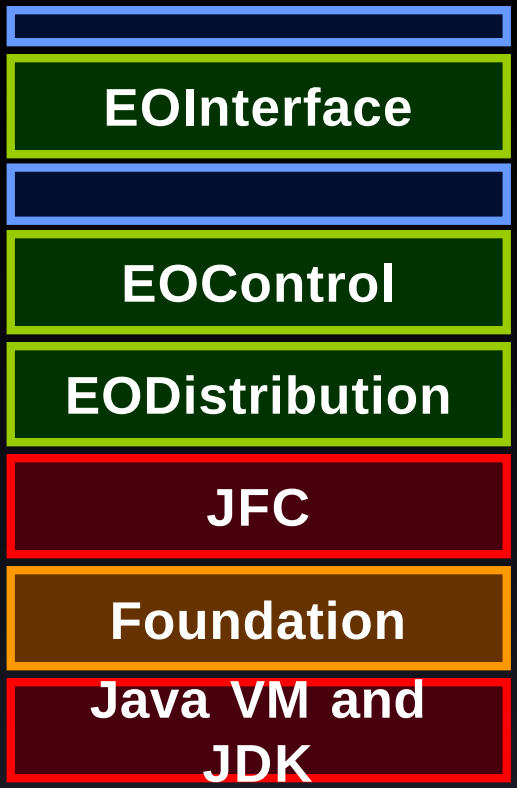
Foundation
Java VM and JDK

Java Client


EOInterface
EOControl
EODistribution
JFC
Foundation
Java VM and JDK

EODistribution

EODistribution

Abstract Message and Object Transport
(EODistributionChannel)

EODistribution

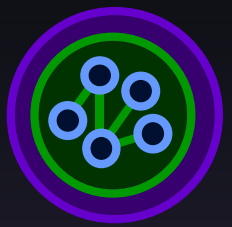
Abstract Distributed Object Server
(EODistributedObjectStore)

EODistribution

EODistribution

Object Client State Management
(EODistributionContext)

EODistribution



WOSessio
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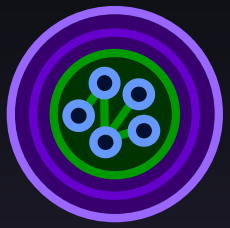
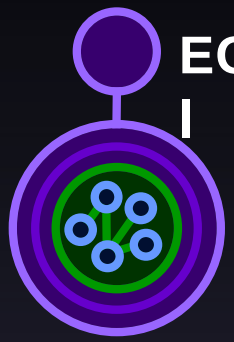
EODistribution

EODistributionContext



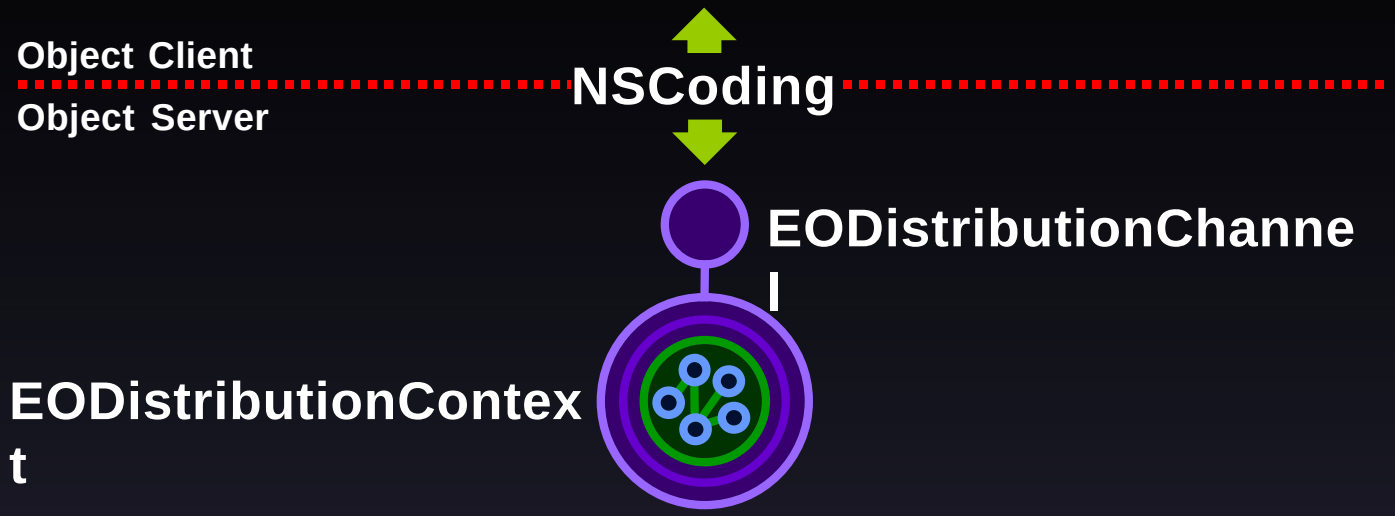
EODistribution



EODistributionChannel

EODistributionContext

EODistribution



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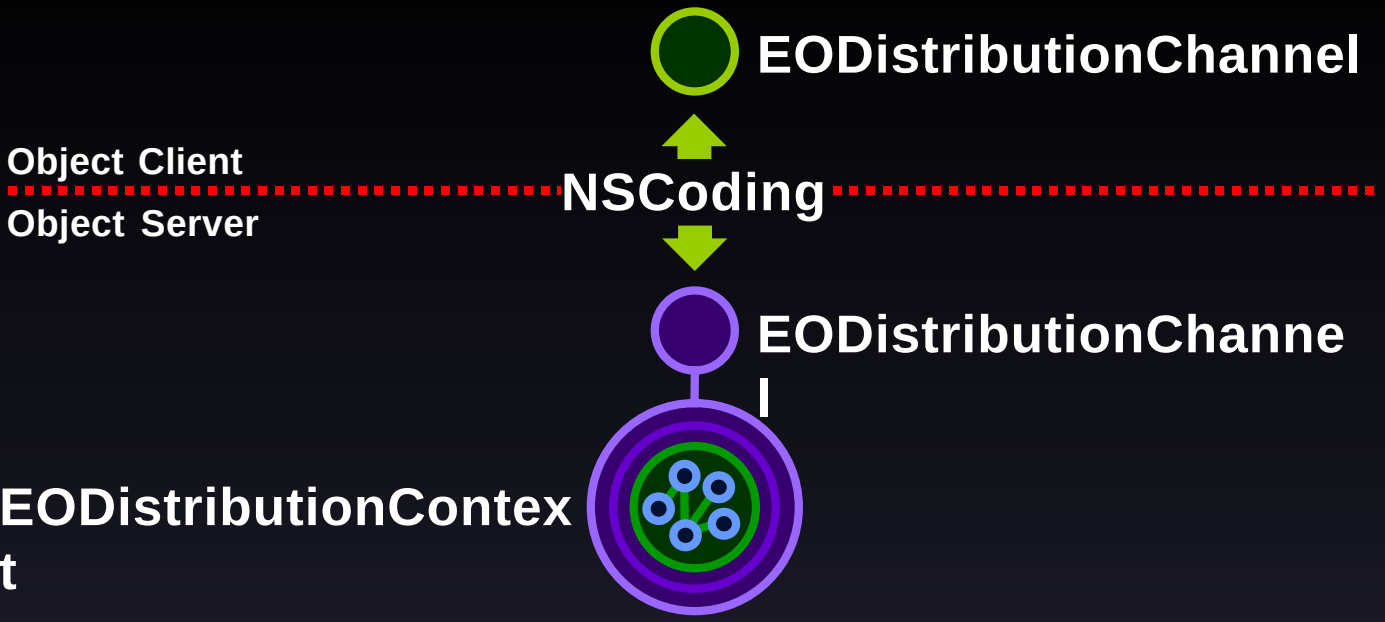

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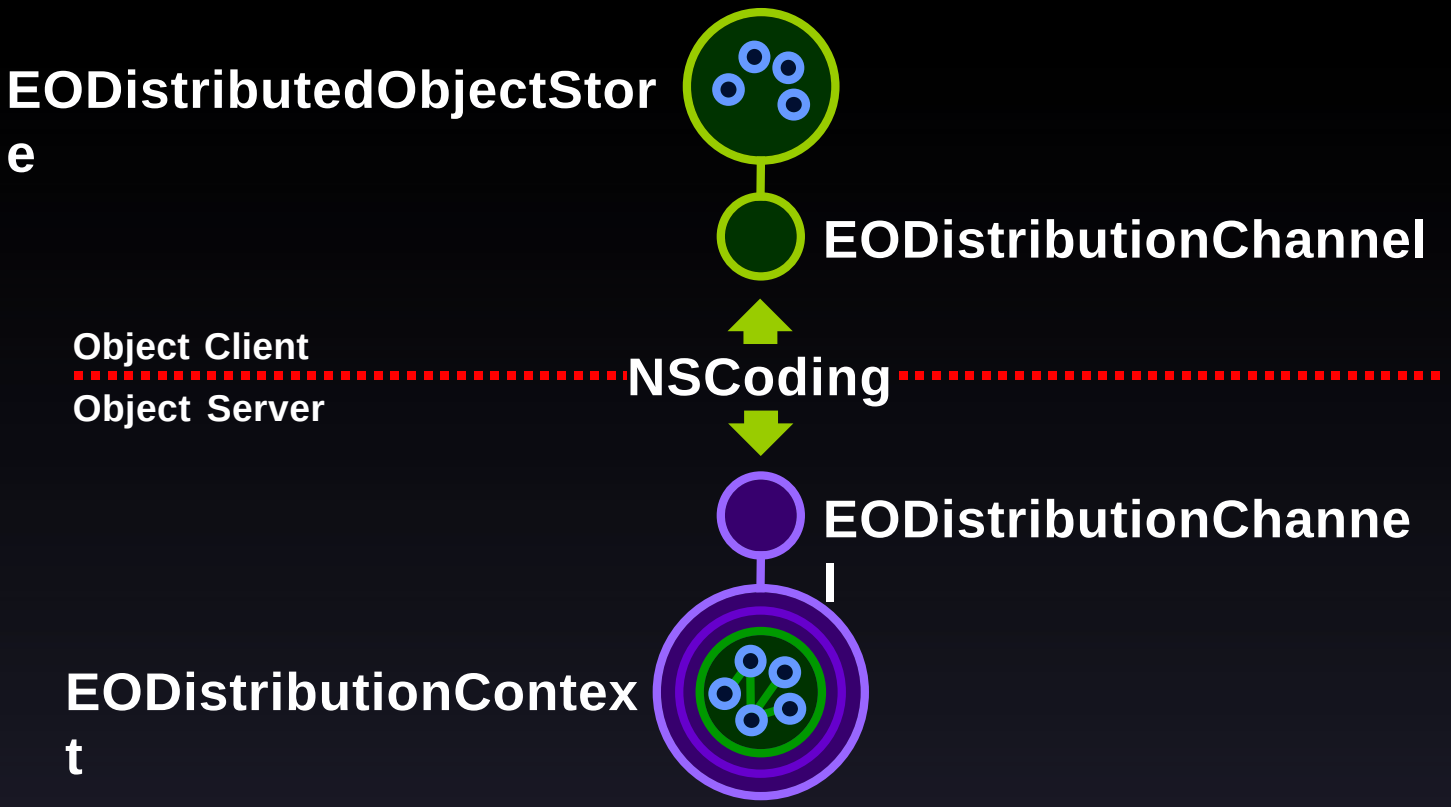

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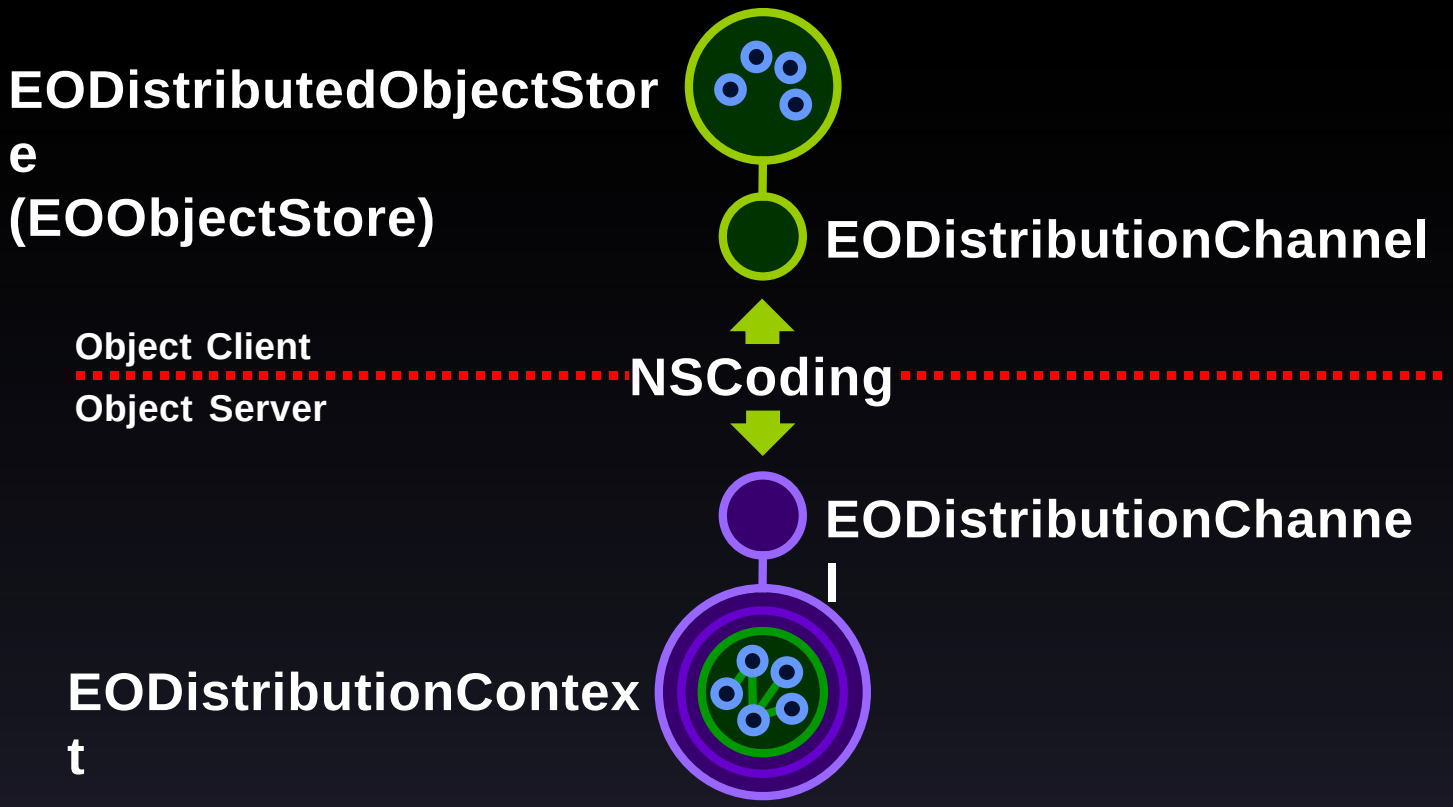

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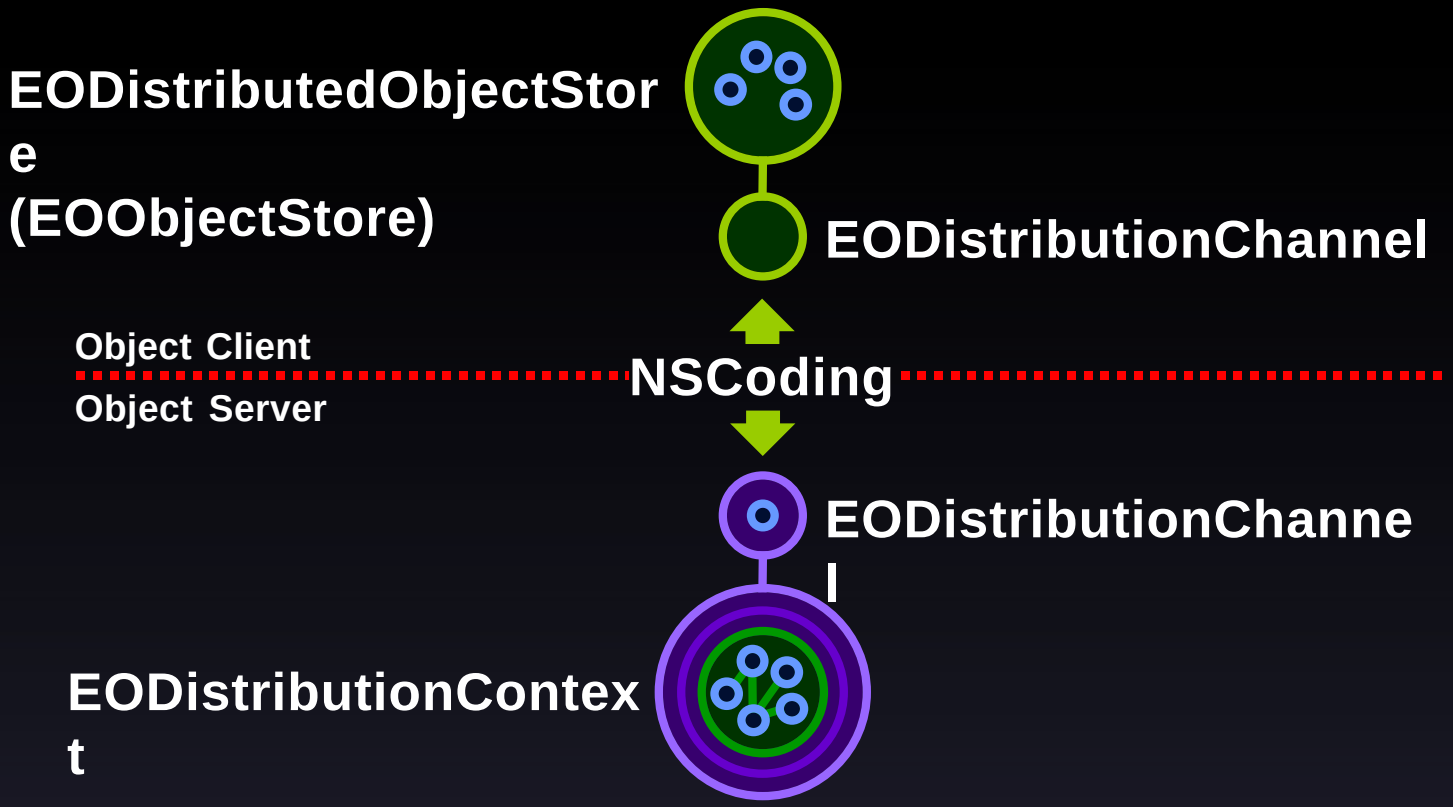

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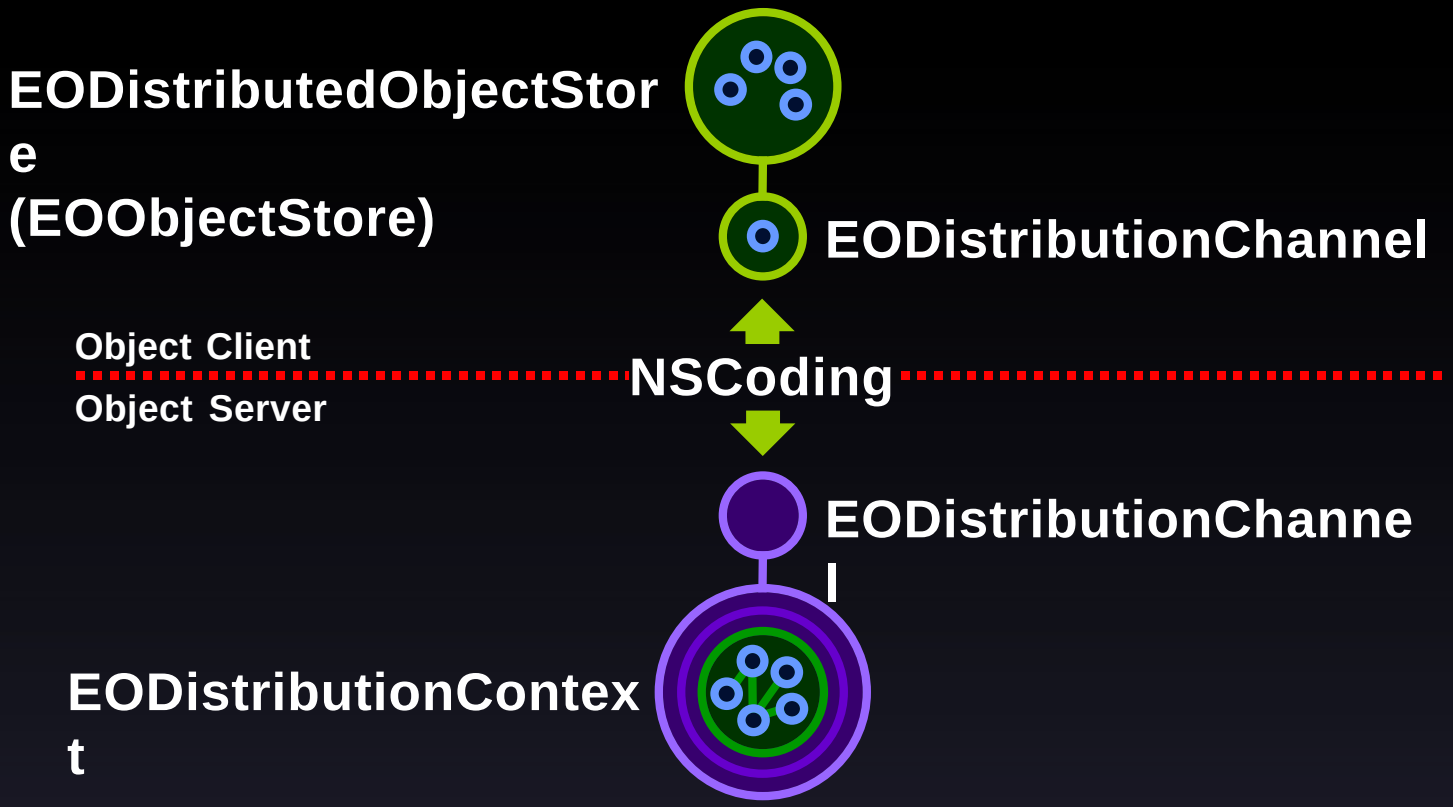
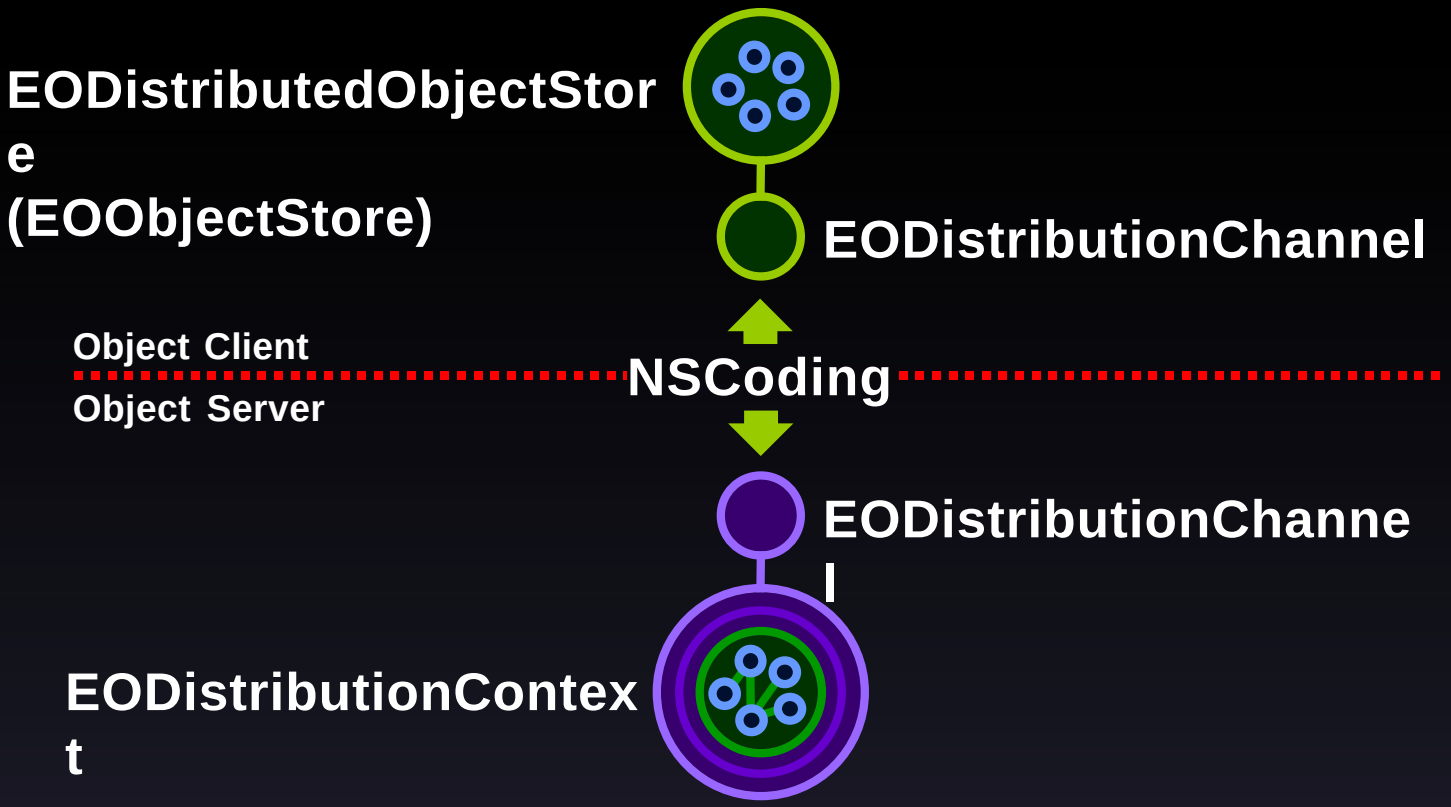
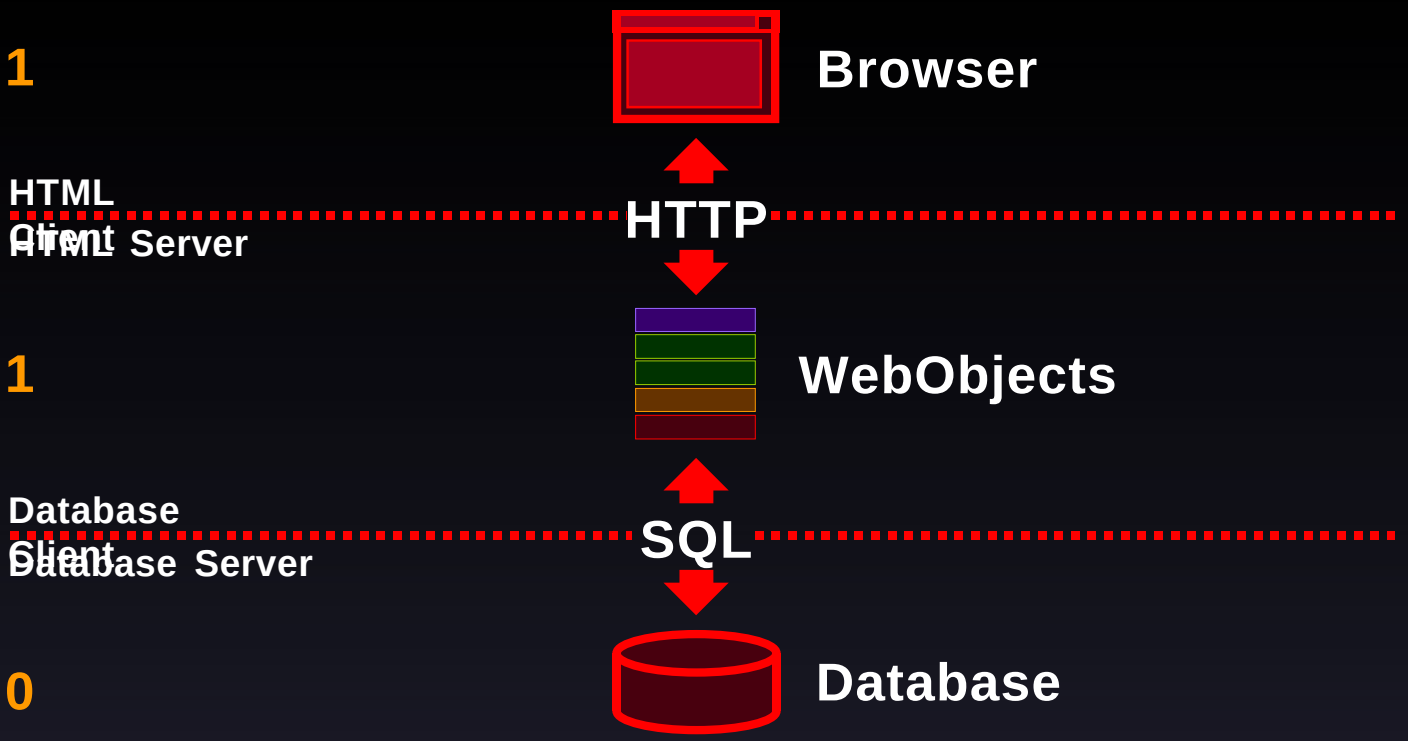


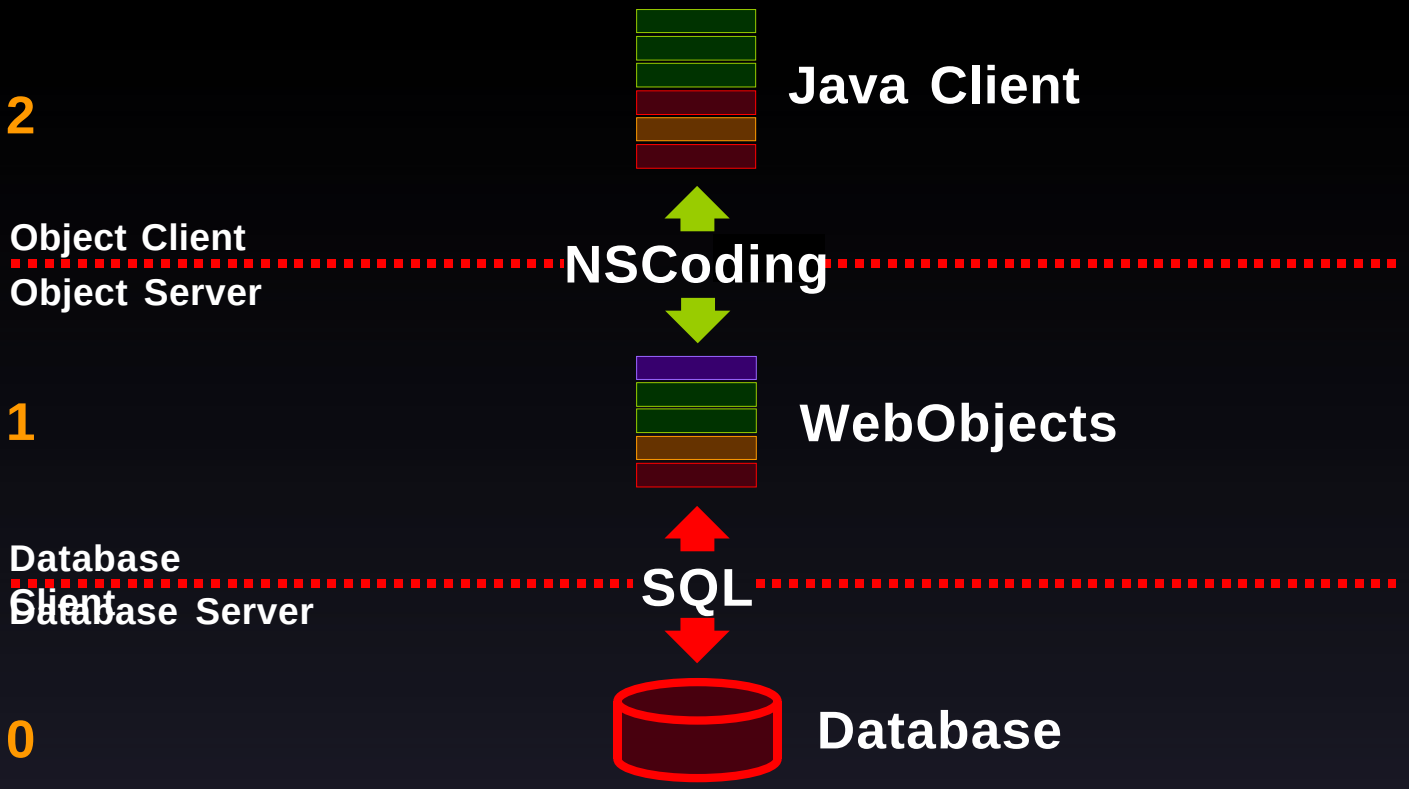
EODistribution



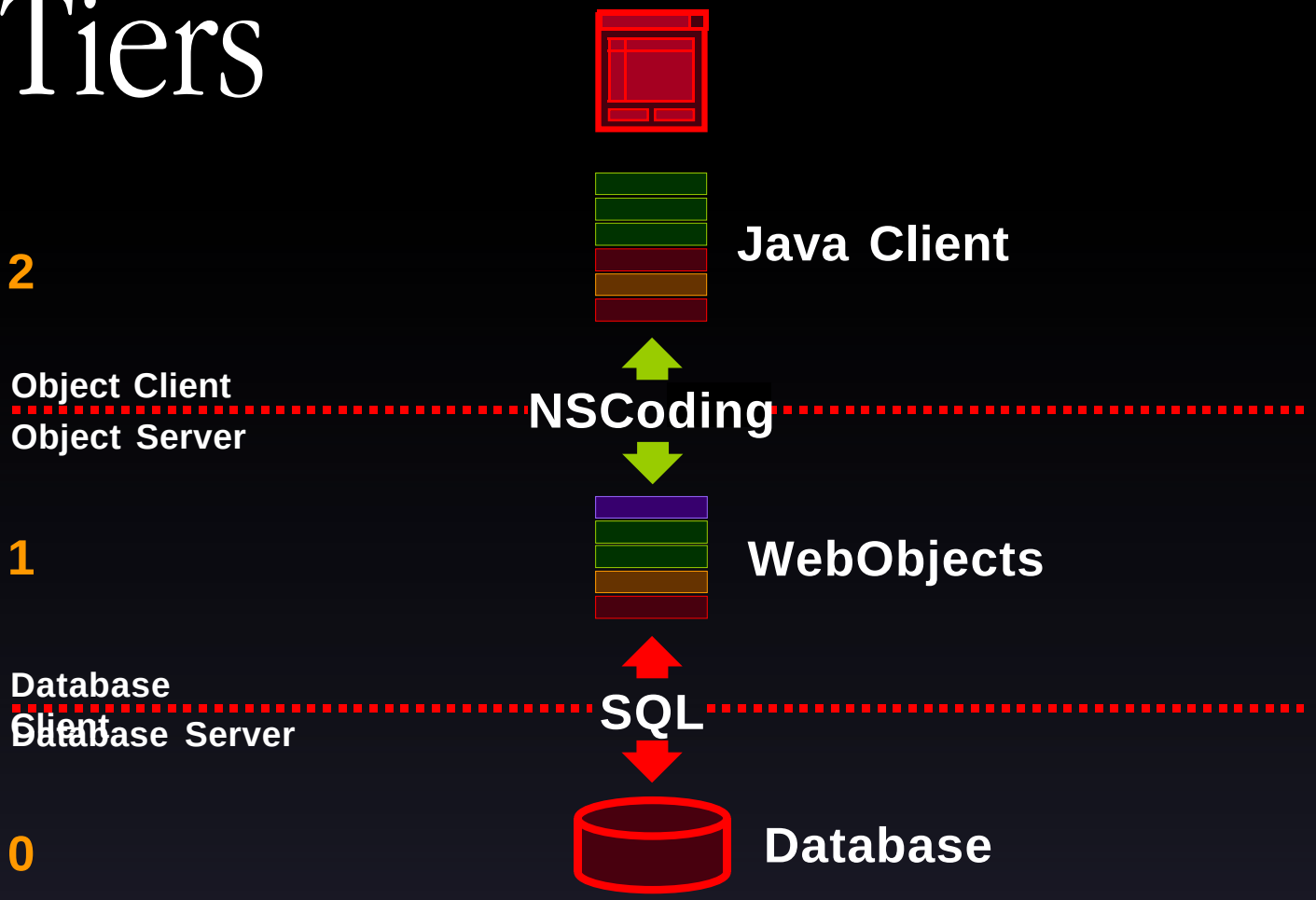
Tiers


1
Browser
HTML
Client
HTML Server
HTTP
1
WebObjects
Database
Client
Database Server
SQL
0
Database

Tiers


2
Java Client
Object Client
NSCoding
Object Server
1
WebObjects
Database
Client
SQL
Database Server
0
Database

Tiers


2
Java Client
Object Client
NSCoding
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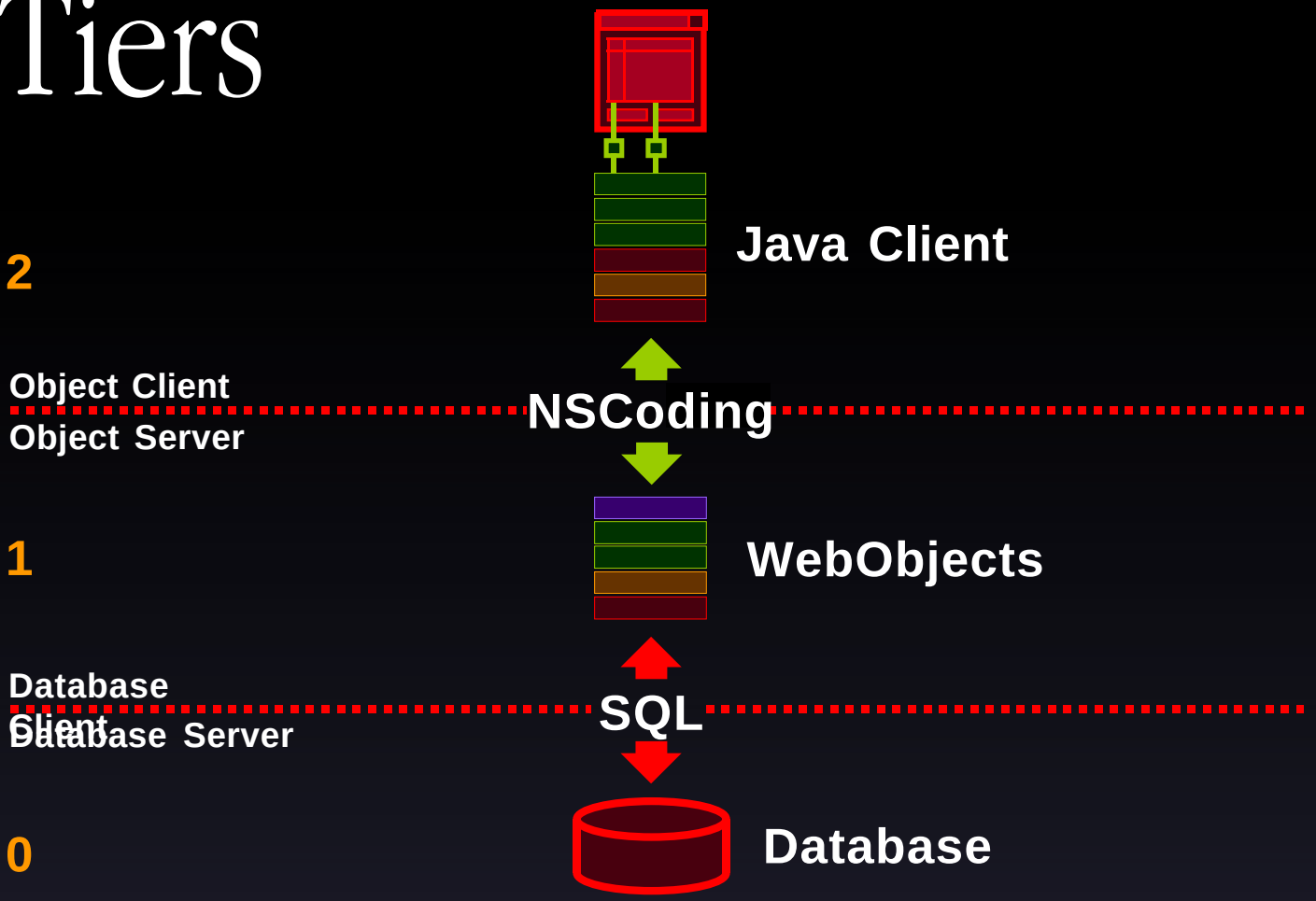
WebObjects
Database
Client
SQL
Database Server
0
Database

Tiers


2
Java Client
Object Client
NSCoding
Object Server
1
WebObjects
Database
Client
SQL
Database Server
0
Database

Strengths

- Pure Java
- JFC
- Tight Integration with Existing Tools
- Dial-in Distribution
- Mature Design

Weaknesses

- Pure Java
- JFC
- Startup Bandwidth
- Memory Footprint
- Version 1.0

Demo

rory@apple.com

Questions and Answers

WebObjects Sessions

Learning EOModeler	Hall B **Wed., 9:00am**
Deploying WebObjects	Hall B **Wed., 10:15am**
Generating Reports in WebObjects Apps	Hall B **Wed., 1:00pm**

WebObjects Sessions

Debugging Techniques in WebObjects	Hall B **Wed., 2:30pm**
Fine-Tuning the Performance of WebObjects	Hall B **Wed., 4:00pm**

WebObjects Sessions

Complex WebObjects Application Design	Hall B **Thur., 9:00am**
WebObjects: Tips from the Experts	Hall B **Thur., 10:15am**
Advanced HTML/DHTML/ JavaScript Tips and Tricks	Hall B **Thur., 4:00pm**

Think different.™

Welcome

To Advance through Presentation
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