



**BUSINESS SOLUTIONS
AND SERVICES**

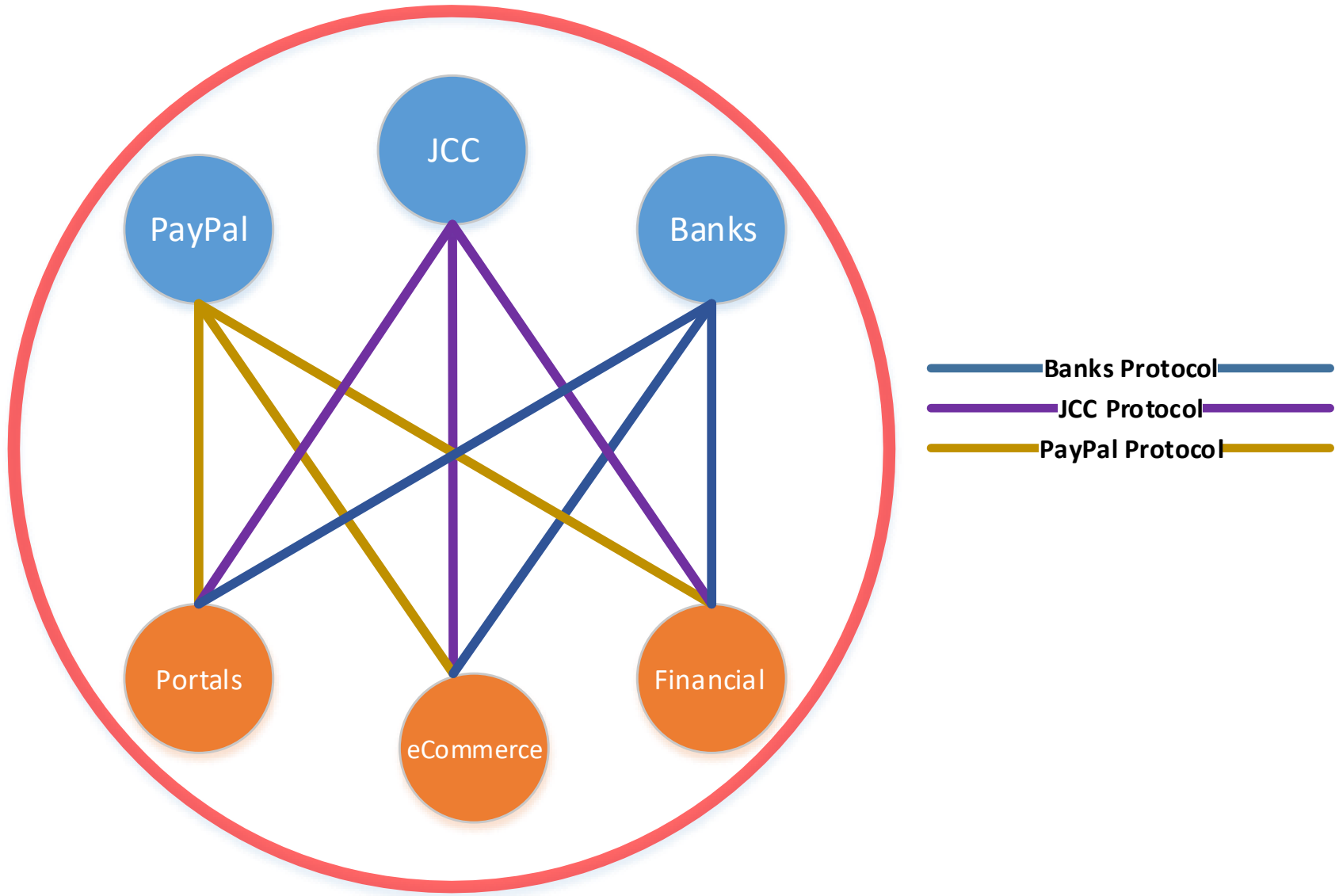
PAYMENT ENGINE

Logicom
Partners in your success

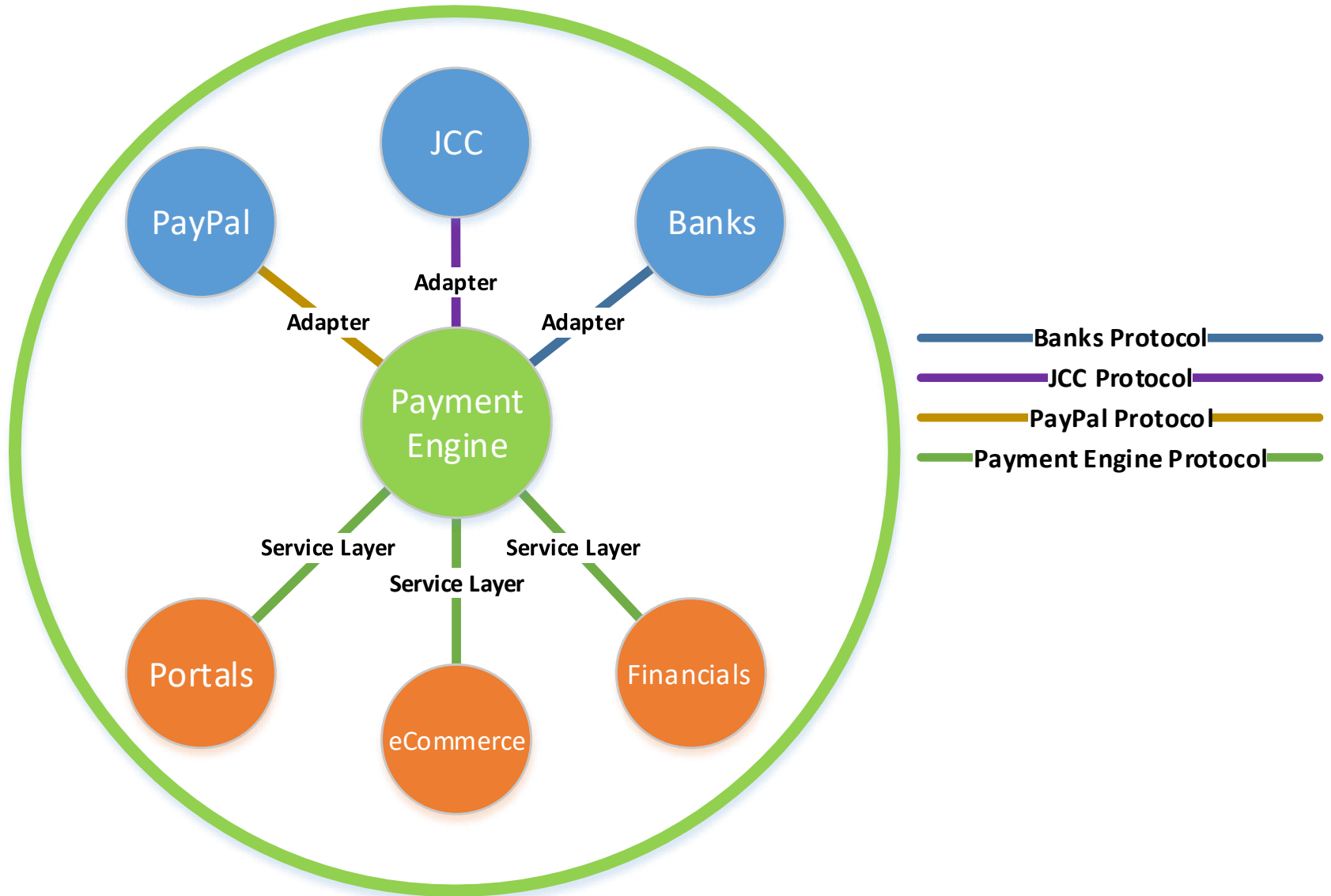
- The Logicom Solutions Payment Engine enables an organization to facilitate electronic payments for their systems or services to external customers and partners, in a secure manner with minimal credit risk, effort and time frame.

- Currently, a single universal industry standard protocol for internet electronic payments does not exist and each payment service provider is providing its own implementation.
- This creates a recurring development overhead and adds complexity for client applications (e.g. eCommerce sites) that want to provide multiple electronic payment methods.
- Each payment method implementation is different and must be:
 - Developed,
 - Tested
 - Configuredby the client application.
- This problem means recurring
 - development costs, and
 - lengthier times to market.

Online Payments – The Problem

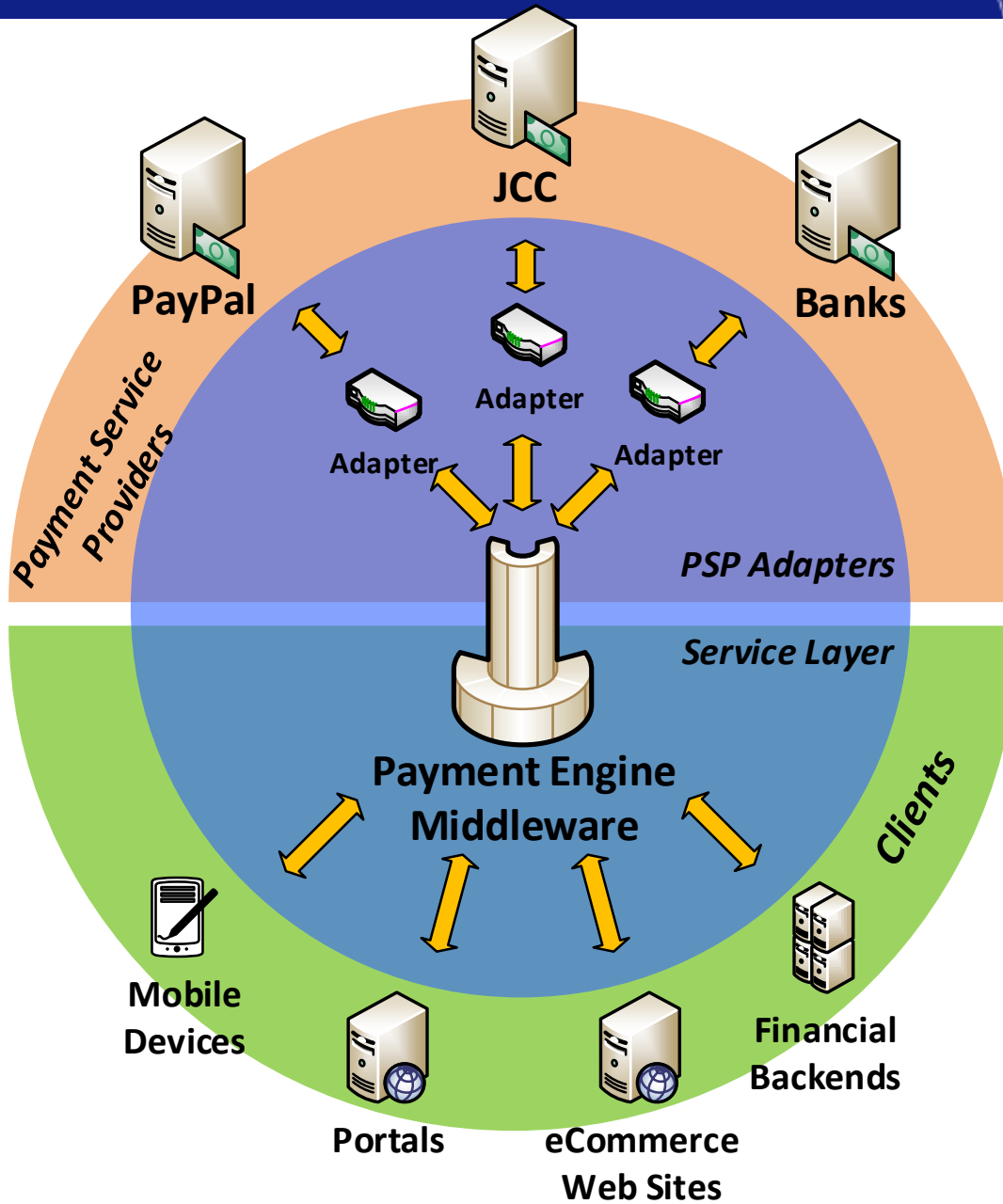


Point-to-Point Integration Architecture



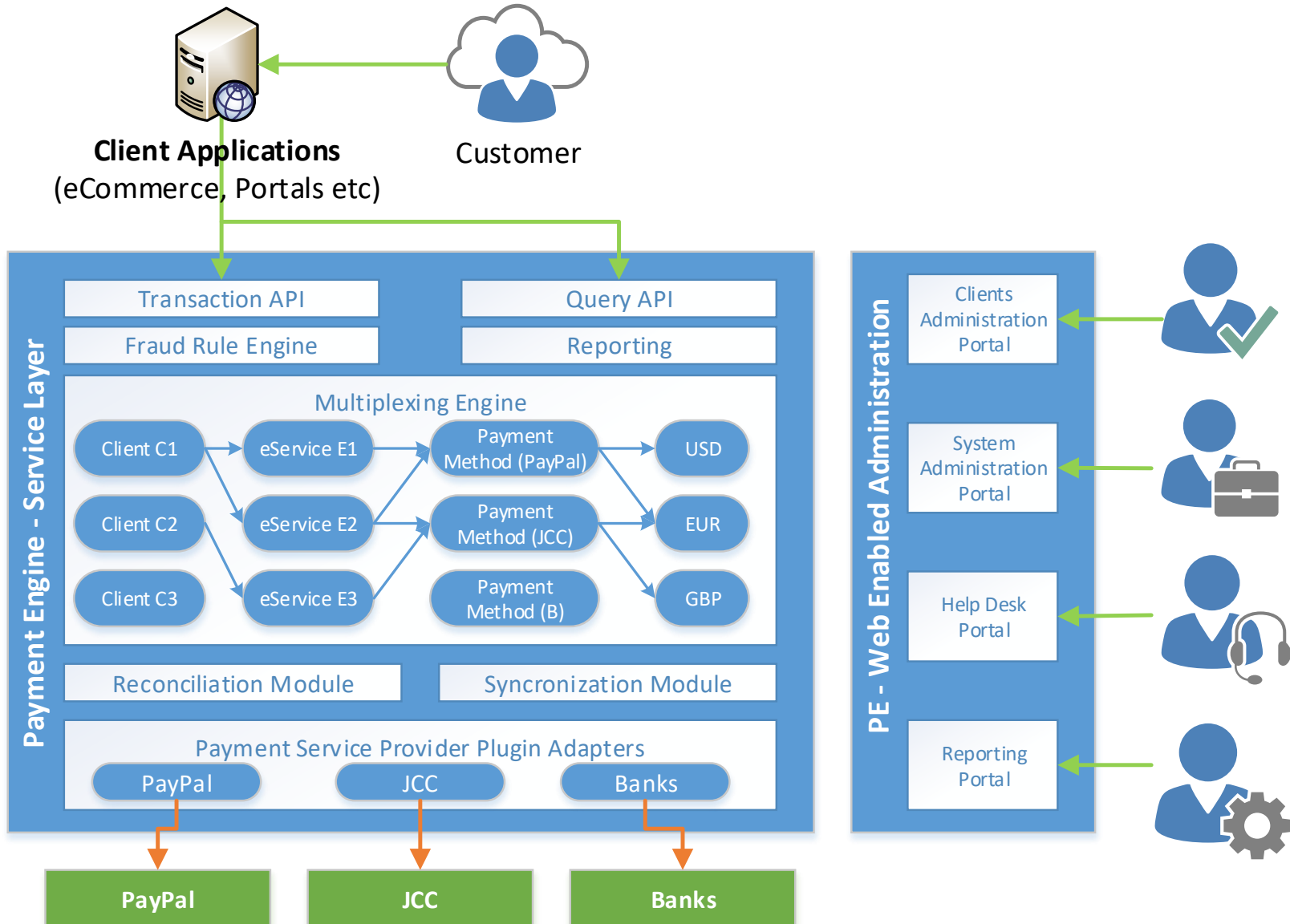
Hub and Spoke Integration Architecture

Payment Engine Middle-ware



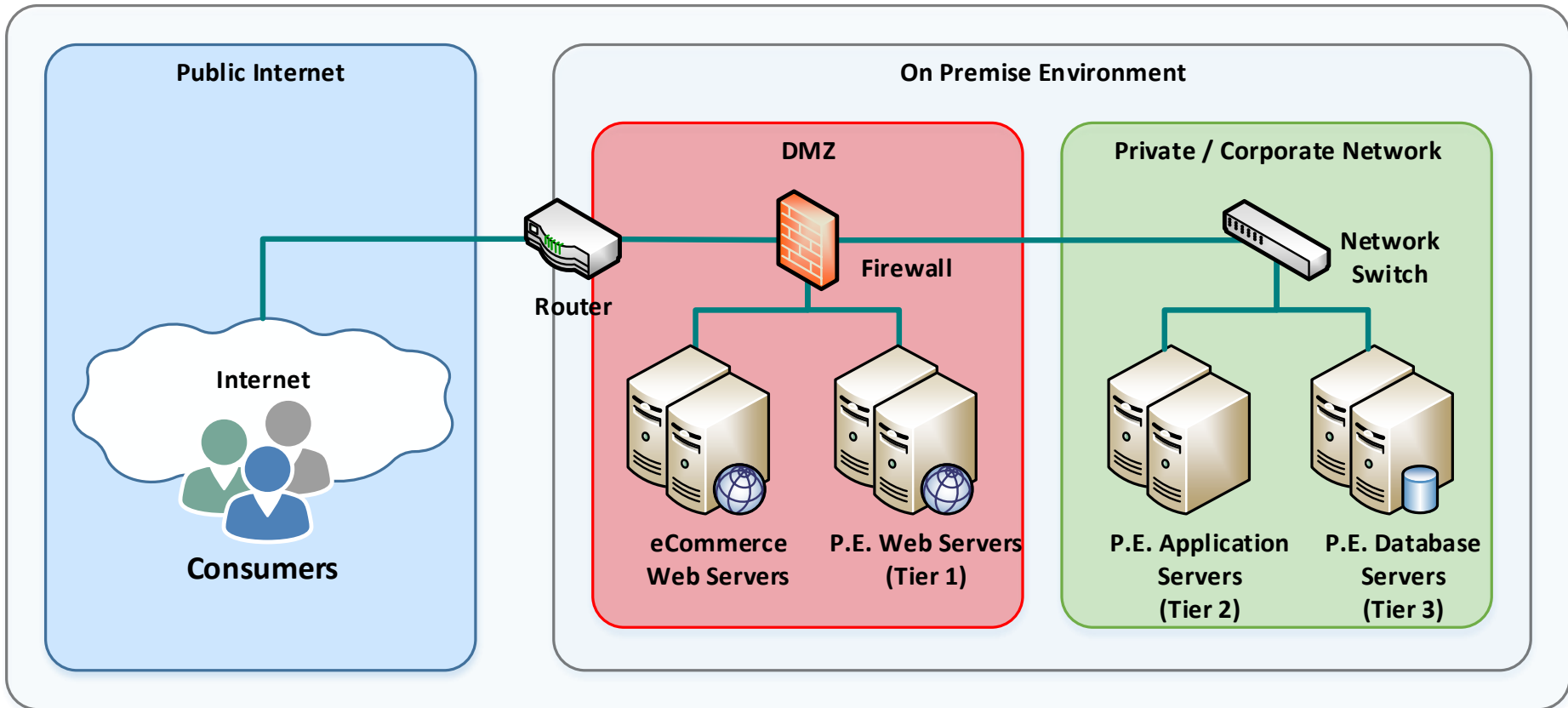
- **Asynchronous** Online Payment
- **Synchronous** Online Payment
- **Batch** Payments
- Continuous **Reconciliation**
- Real Time **Fraud Reduction** Rules and Reporting
- Processing of payments through the administration interface (MOTO)
- Standard Integration Protocol for Clients (XML Web Services for cross-platform compatibility)
- Multi-Currency enabled
- Multiplexing Engine

Payment Engine – Logical Design



- Cross Platform XML/SOAP Services
- Pluggable Architecture
- Multi-layered architecture
- Scalable architecture
- Service Orientation
- Modularity
- PSP Location transparency
- Multi-Level Security
- SMS / Email Notifications
- Hub and Spoke Architecture
 - Fosters reuse
 - Reduces the number of interfaces

Payment Engine – On Premise Installation Topology



- **Technologies**

- Microsoft .NET Framework 4.5
- Windows Communication Foundation 4.5
- Microsoft ASP.NET 4.5

- **Server Products**

- Microsoft Windows Server 2012 R2
- Microsoft SQL Server 2014
- Microsoft Windows IIS Server

