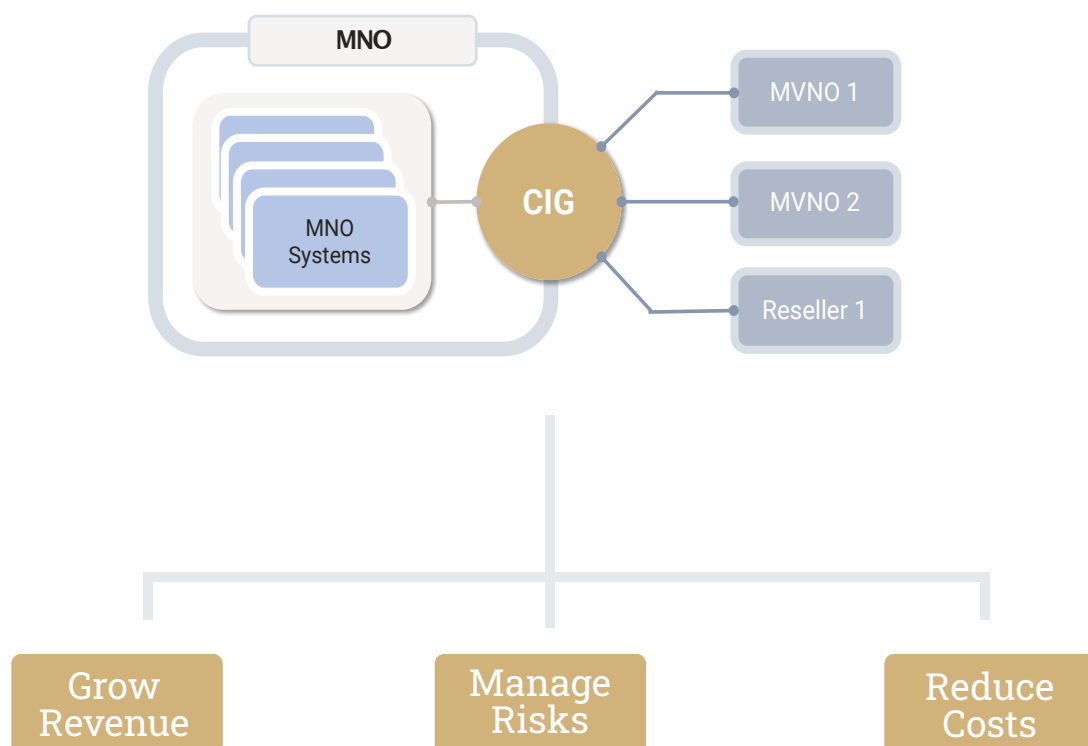# pharos
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Enhanced Diameter Interworking Function

About Core Interworking Gateway

Pharos' **Core Interworking Gateway (CIG)** is an enhanced **Diameter Interworking Function** system that provides a single integration point for connecting wholesale partners to your network, enabling low-risk, cost-effective, and quick integrations.

Key Features

✓ **Wholesale Mobile Services Reselling**: Enable wholesale partners to provide their subscribers with your mobile *voice*, *data*, *SMS*, and *USSD* services by providing them with service control and charging capabilities.

✓ **Limit Service Usage**: Manage and enforce credit limits for each of your mobile services to prevent partners from draining network resources allocated for your own subscribers.

✓ **Automated Customer Care Short-Code Routing**: Automatically route generic customer care short codes to partners' call centres.

✓ **Offline OCS Charging**: Let each partner—whose OCS goes offline—request that you temporarily activate Charging Bypass.

✓ **Built-In Diameter Routing Agent (DRA)**: Remove the need to purchase a separate DRA to route Diameter traffic to its corresponding end points.

Key Benefits

✓ Grow wholesale revenue

✓ Maximise network resources

✓ Acquire access to niche markets

✓ Minimise costs with easy onboarding and management

✓ Get better control of partner integrations

✓ Optimise your core network

✓ Enable offline partner charging

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Why CIG?

In today's digital world, more and more wholesale partners like MVNOs, MVNEs, and resellers are emerging. This is great news because they bring wholesale revenue to mobile operators and added value to subscribers.

To support these wholesale partners, it's essential to have an interworking solution that allows them to use their Diameter-based Online Charging Systems (OCS) to control and charge their subscribers for consuming your mobile data services.

CIG allows you to create a robust wholesale ecosystem by providing efficient service control and seamless charging integration with third-party systems. It is a crucial enabler for a successful wholesale product offering, helping you monetise your data network while managing risks and reducing costs.

Grow Revenue
Generate revenue through a wholesale business solution:

1 New Customers
Grow your customer base through wholesale partnerships to gain access to new subscribers.

2 Use Excess Network Capacity
Maximise the utilisation of your current network capacity and achieve revenue growth without adding additional network costs.

3 Niche Markets
Expand into niche markets by engaging partners with existing customer bases.

Manage Risks
Effectively address deployment time and security concerns when connecting with wholesale clients on your network:

1 Quick and Simple Integrations
Easy activation and deactivation of partners reduces the risk of new MVNO or reseller failures by lowering onboarding costs.

2 Single Point of Control
CIG provides you with one core point for third party integration, configuration, reporting, monitoring, and troubleshooting.

3 Topology Hiding
CIG's architecture hides the mobile operator's core network topology from the outside world.

4 Offline MVNO Charging
When an MVNO's OCS goes offline, the MVNO can request temporary Charging Bypass activation, allowing subscribers to use MNO services within set credit limits.

Reduce Costs
Reduce your costs by streamlining integration efforts and making more effective use of network resources:

1 Easier Support
A centralised control point reduces support workload by streamlining setup, leading to fewer and easier issues.

2 Simplified Architecture
CIG requires integration into the core network just once. Each MVNO needs only a single Diameter integration, saving valuable technical resources.

3 Simplified Network Configuration
CIG simplifies the configuration of the core network components, saving time and costs.

What Sets CIG Apart: Four Pillars Of Strength

CIG uniquely focuses on integrating wholesale customer systems to the MNO environment using distinctive approaches that enhance your success with wholesale partners.
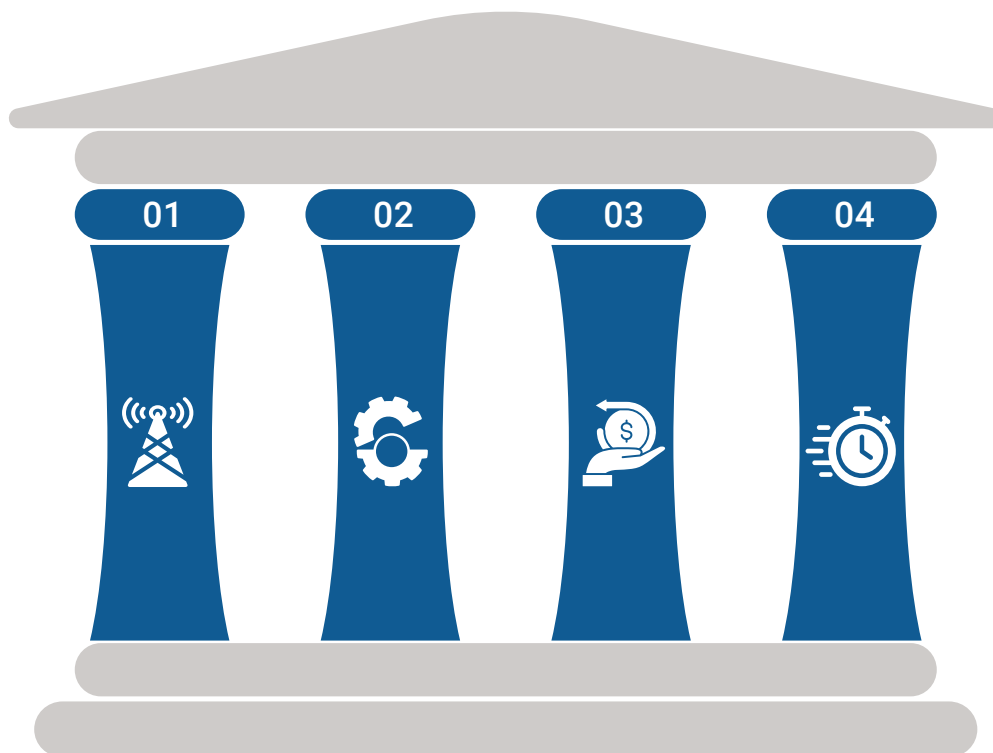
01
MNO-Focused

CIG is the only solution on the market that specifically caters for the MNO's interests when integrating with wholesale partners. It especially addresses the security issues and integration complexities that complicate projects.

02
Fuss-Free Integrations

CIG enables seamless integration with any standards-based third-party systems, expanding your potential market and making your wholesale offering more competitive.

03
Shorter ROI

CIG lowers onboarding costs for each wholesale partner, shortening your ROI and payback period. This enables onboarding of even marginally profitable partners, helping you scale effectively.

04
Accelerated Deployments

CIG enables much quicker deployment of data services for wholesale partners, dramatically quickening their time to market and reducing costs.

Why Pharos?

Our formula for your success:

- We craft fully functional solutions to address technical challenges using people with deep knowledge of multiple technologies.
- We use our vast telecom expertise to distill complex requirements and technologies into effective solutions.

Telco Expertise

Since 1997, we have been actively engaged in the telecom industry, acquiring extensive expertise and knowledge in telco networks and technologies.

History Of Innovation

Our history reflects a strong record of delivering innovative solutions through our mature technology framework, custom-tailored to meet the specific needs of our customers.

CONTACT

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In-House Technology

We believe technology should support business needs. With a broad technology portfolio and industry experience, we craft solutions tailored to your requirements.