

## Adaptiv Routing

Exploring Adaptiv Routing, this brochure should be read in conjunction with the Adaptiv General Product brochure.

Adaptiv provides a centralised management platform for loading rates that are translated into route information. Using this information, calls are completed through the network using different vendor equipment.

Adaptiv uses **ENUM**, a lightweight DNS-based protocol, ideal for high query rate implementations while significantly outperforming SIP re-direct servers.

Depending on the device, Adaptiv can also route files based on priority values or prefixes.

All call routes are based on a **Least Cost Routing (LCR)** algorithm, a simple and effective way to ensure calls complete to the least expensive carrier, maximising call margins.

Cheaper routes do not always translate into completed calls, so **Precedence Override** allows you to alter the LCR algorithm manually, based on external circumstances.

**Precedence**

To Edit select an entry from the list below.  
Click New to create a new precedence rule

First Prev Next Last | 50 Rows Displayed

35 results found, displaying 1 to 35

Name	Device	Precedence	Status
VoIP & Tata	International	First	Active
Vietnam - Block routes	International	Block	Active
China block	International	Block	Active
Serbia-Tata	International	Block	Active
South Africa	International	Block	Active
US Regions-MCI	International	Block	Active
New Zealand Mobile	International	Block	Inactive
New Zealand Mobile - Optus	International	First	Inactive
NZ-Carrier 3	International	Block	Active
New Zealand-MCI	International	Third	Active
Zimbabwe	International	Block	Active
US Regions-Premium	International	First	Active

**Precedence** overrides the base LCR and establishes new routing using the original rate sheets, but with new rules. Carriers and regions can be promoted, demoted or even blocked.

85 results found, displaying 1 to 85

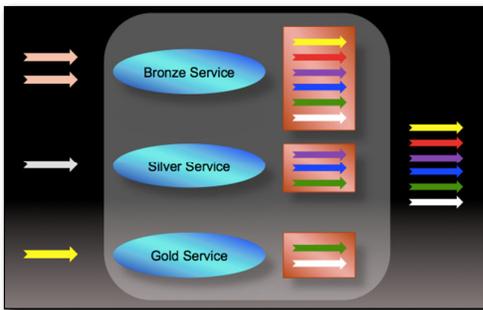
Dial Code	Carrier	Device	Precedence	Status
54	ANG	Primus	SC1	TATA
540	ANG	Primus	SC1	TATA
541	ANG	Primus	SC1	TATA
542	Primus 1	Optus	SC1	ANG
5420	Primus 1	Optus	SC1	ANG
54200	Optus	IBACH	SC1	ANG
54201	Optus	IBACH	SC1	ANG
54202	Optus	IBACH	SC1	ANG
54203	Optus	IBACH	SC1	ANG
54204	Optus	IBACH	SC1	ANG
54205	Optus	IBACH	SC1	ANG
54206	Optus	IBACH	SC1	ANG
54207	Optus	IBACH	SC1	ANG
54208	Optus	IBACH	SC1	ANG

These rules are maintained across rate sheet loads and are applied after LCR has been calculated.

**Lossless-LCR** protects routing margins by analysing incoming routes against outgoing routes for all ingress and egress carriers, so you can see where possible revenue loss may occur, letting you block any unprofitable calls.

Buyer	Dial Code	Buyer price	LCR 1	LCR 2	LCR 3	LCR 4
BuyerA	3	0.215424	Dummy4 3(0.836657)	Dummy1 2(0.165835)	SupplierA 3(0.215424)	SupplierB 3(0.22) Margin:-2
BuyerA	2	0.870174	Dummy3 2(0.579012)	Dummy5 2(0.795054)	SupplierB 2(0.8)	SupplierA 2(0.870174)
BuyerA	7	0.349787	Dummy4 7(0.287031)	SupplierB 7(0.3)	SupplierA 7(0.349787)	Dummy1 7(0.8414) Margin:-1 Dummy2 7(0.8414) Margin:-1
BuyerA	4	1.055364	Dummy1 4(0.559159)	Dummy4 4(0.471769)	SupplierA 4(1.055364)	SupplierB 4(1.3) Margin:-4
BuyerA	39	0.215424	SupplierA 3(0.215424)	SupplierB 3(0.22) Margin:-2.1242%	Dummy1 3(0.34482) Margin:-76.8398%	Dummy3 3(0.39554) Margin:-8
BuyerA	38	0.215424	SupplierA 3(0.215424)	SupplierB 3(0.22) Margin:-2.1242%	Dummy3 3(0.39554) Margin:-85.614%	Dummy2 3(0.386) Margin:-3 NCP 3(0.386) Margin:-3

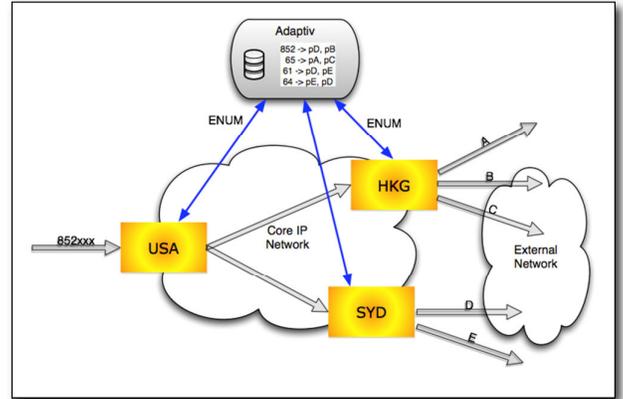
**Multi-layered-LCR** is an advanced LCR, differentiating the LCR algorithm based on the origin of the call, letting you tailor your service to each buyer on a case-by-case basis.



ML-LCR provides the best possible margin to call completion ratio, taking into account factors such as quality and reliability of the carrier.

**Network-wide LCR (NW-LCR)** is unique to Adaptiv, enabling a carrier to use all available voice routing equipment to complete calls with a single route management platform.

NW-LCR has the advantage of using multiple paths, regardless of the equipment and the physical location.



Using ENUM as the routing query protocol, Adaptiv is able to offer a cross-platform, lightweight routing solution with network wide LCR.

### Why Use Adaptiv?

Adaptiv is a flexible, simple and modern routing product that provides routes to single or multiple devices in the network, without locking you into a single vendor.

Using ENUM, a lightweight routing protocol, Adaptiv offers a scalable, high call volume routing solution, without the need for expensive centralised softswitch architectures.

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