



Invigorate Your Imagination



**Interact
Incorporated**
Software Systems

1225 L Street
Lincoln, NE 68508
(Bus) 402.476.8786
(Fax) 402.476.7473
1.800.242.8649

Invigorate supports the real-time rating of both pre and postpaid transactions. In fact, Invigorate maintains no bias between the two.

Invigorate Overview

As media continues to rapidly converge, mutate, and proliferate throughout everyday mobile / fixed devices, operators have found themselves desperately in need of extraordinarily limber rating and billing solutions. Clever operators know that even though there is a dizzying array of possible end-user application opportunities available to them, the likelihood of reaping economic rewards from these opportunities is slim without a capable system.

Having anticipated this scenario, we created Invigorate, a real-time rating and management solution with the ability to support virtually any voice/data rating structure imaginable, in a separate or unified prepaid/postpaid environment. From discrete per second voice services to full-fledged, simultaneous IMS transactions based upon time of day, bytes downloaded, geographic location, and Quality of Service (QoS) metrics, Invigorate can do it all and much, much more.

Fully implemented, Invigorate will enable service providers to quickly package, promote, and discount cutting edge services based upon customer-unique preferences, while simultaneously encouraging the use of additional revenue-generating applications.

Invigorate's Primary Advantages

Unique Flexibility

Convergent, Simultaneous Rating

Invigorate provides comprehensive support for:

- Voice and Data
- Prepaid, Postpaid, and Hybrid Pre/Postpay Accounts
- Wireline and Wireless

...enabling operators of all kinds (i.e., mobile telephony, fixed telephony, ISPs, cable television operators) to confidently expand beyond familiar territory and offer advanced services.

Simultaneous rating is also supported, making it possible for operators to increase margins by charging for more than one event taking place at a time (e.g., talking on the phone while sending an MMS, or playing an online game while receiving opt-in SMS updates of big plays happening in an ongoing football game).

Service Appropriate Charging

The application of relevant pricing to products and services rendered is an ongoing concern to players in the voice and data market.

Because Invigorate's unique rating methodology enables it to be configured for any need imaginable, service providers can concentrate on market experimentation and split-second reaction to customer sentiment, rather than spend time making compromises for an inflexible, legacy back-end.

Following are rating parameter samples that could be used to administer value to services of any kind:

- Service Invocation – Pay-per-use vs. Subscription
- Time – Day vs. Night
- Relationship / Affiliation – Family vs. Soccer Club
- Quality of Service (QoS) – Premium vs. Economy
- Location – Work Office at 12th & Main vs. Entire 10242 Zipcode
- Usage – 20 min@.10/min vs. 40min@.08/min
- Trio – Where 3 Different Parameters Converge and Map to One Rate

Any of these may be mixed and matched with additional criteria in order to come up with entirely new price points.

And discounts, promotions, bundles, bolt-ons—just to name a few—can also be constructed to stimulate the uptake of related products and services.

Multiple Business Model Support

It will become commonplace for a service provider to find itself in an opportunistic situation that requires the creation and support of several different business models.

Whether these fall under the Mobile Virtual Network Operator (MVNO) variety, a TriplePlay manifestation, or an altogether different diversification strategy, Invigorate has been built to accommodate.

Operation and management of supplementary models can be set-up to have the same look and feel throughout, or be intricately customized to radiate distinct personalities.

Invigorate enables providers to personalize services based upon qualitative and quantitative data...

Geared for Integration

Interact always has and always will maintain strong support for external system integration in terms of a customer's current / future business modules, various signaling gateways, and value-add customer partners.

We have even developed a distinct product set—*Aperture*—to meet the needs of this comprehensive open services philosophy.

Quite simply, *Aperture* provides a categorical break-down of generally demanded, Java-based APIs for areas such as Customer Care, Account Replenishment, and E-services.

If a provider is not able to find what they need in *Aperture's* basic package, or if more sensitive APIs are required for load-heavy applications, temperamental legacy back-ends, etc., customizable APIs are always an option.

In fact, we have custom-designed countless native programming language, socket-based, and file-centric interfaces throughout our 26-year history in order to facilitate customer demands.

Rapid Customization

Clients can call upon Interact at any time to tailor a solution, and our quality-first customization process has amassed extremely satisfied clients throughout 36 countries and counting.

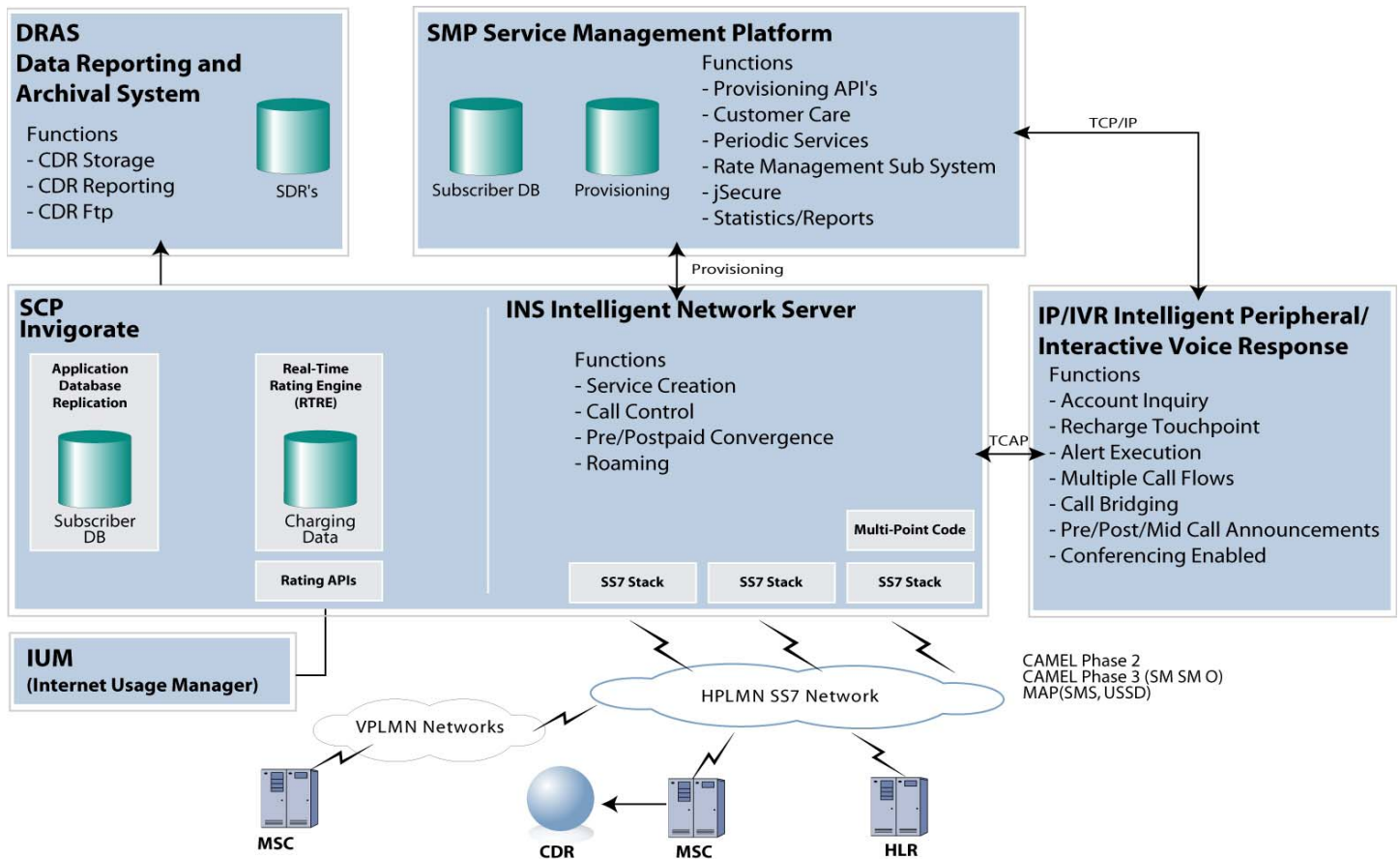
Portable, Scalable

Invigorate has been designed to: 1) Be operable on multiple hardware platforms, 2) Work with various operating systems, and 3) Adhere to commercially demanded scalability and reliability requirements.

The HP NonStop is Interact's server platform of choice for extremely large, load-heavy, and speed-critical applications, due to its world-renowned reputation for superiority in rigorous environments.

For smaller projects demanding comparable speed, availability, and flexibility—yet not the added overhead of a full-fledged HP NonStop—we typically suggest a tailored Linux-based configuration.

INVIGORATE ARCHITECTURE



NON-EXHAUSTIVE LIST OF RATING FEATURES

- Basic
 - Per minute
 - Per transaction
 - Per unit
 - Per message
 - Per download
- Location
 - Local calling, Roaming
 - HomeZone
 - On-net/Off-net
- Discounts
 - Upon account activation
 - Buy One Get One Free
 - Extended Friends and Family
 - Periodic
 - Usage based
 - Selected destinations
 - Per transaction
 - Per unit
 - Per message
- Charging Period
 - First Rate/ Adtl. Rate
 - One Time Fee
 - Debit Interval
 - Minimum Charge
- Service Partitions
 - Bolt-Ons
 - Partition Rollover
 - Bonus Partitions
 - Unit/Money Based
 - Active Upon Recharge
- Subscriber Funds
 - Real Money / Bonus Money
 - Plan Fund
 - Reserved Funds (for simultaneous service usage)
 - Prepay/Postpay/Hybrid Accounts
 - Operator micro loan (for emergencies)

About Interact

Since 1981, Interact has been dedicated to providing highly customizable Communication and Rating solutions to discriminating clients spanning the globe.

Readily equipped to supply extremely short time-to-market solutions accommodating both entry-level and central office class models, Interact builds every solution on an open, distributed, and modular architecture which is deployable on a variety of hardware platforms.

Corporate Headquarters

1225 L St., #600 · Lincoln, NE, USA · 68508

ph +1.402.476.8786

fax +1.402.476.7473

iivip.com

Sales Inquiries:

Douglas Page

Global Sales Manager

ph. 402.476.8786 ex. 383

paged@iivip.com

Chuck Kennedy

Regional Sales Manager

ph. 480.598.1011

chuck@iivip.com