STARGATE

Flexible Provisioning System

i2i Systems
innovation to integration

A provisioning system that will answer all your provisioning requirements – with synchronous provisioning support

Having implemented one of the biggest provisioning solution deployment (40M Subscribers) in the Europe GSM market and listening to customer views and requirements for functionality with ease of operation, i2i has developed a new provisioning product called StarGate.

One of the major problems in operators is inconsistency between different systems such as rating & billing, customer care, HLR and other network nodes. In asynchronous provisioning implementations, the initiating system does not always get a notification if the provisioning request is successfully completed. Key feature of StarGate is that it supports synchronous provisioning and full rollback mechanism when the request cannot be successfully completed in any one of the nodes. With this feature, initiating system ensures that all provisioning is completed in all required nodes, and if an error occurs in one of the provisioning nodes, then a clean rollback on all nodes can be done, with no inconsistency between any of the nodes.

During the early stages of the GSM technology, provisioning only included network nodes such as HLR and IN. With the introduction of new services and platforms, operators began to demand provisioning of customer data on new platforms like Value Added Services (VAS) systems or Service Delivery Platforms (SDP). As existing provisioning systems were poorly equipped to support these new technologies and platforms, operators had to deploy in-house provisioning systems to overcome time to market pressure. As a result, most of the operators had to work with multiple provisioning systems, which caused increase in development and operational costs. StarGate fulfills all provisioning needs and supports all kinds of platforms including network and VAS platforms in a single box. It simplifies and reduces operational intervention as well as costs.

With built-in HLR adaptors, Ericsson's UCIP, ACIP, VSIP, AF adaptors and out-of-the-box provisioning flows; StarGate can facilitate a smooth and rapid deployment for all operators.

Provisioning flows can easily be inserted into the database tables via the graphical user interfaces (GUIs). In most cases, built in flows can be reused, ceasing the necessity to do any coding. Additional functionality for specific provisioning requirements can be done with minor flow adjustments and without any major development effort, speeding the time to release these flows into production.

Plug-in support to extend the behavior of the Workflow Manager is aslo supported.

For the Service Operator, StarGate assures return of investment (ROI) on infrastructure investments and reduced cost of ownership (COI).

In short, StarGate is built on superior industry standards and is able to address the new challenges of Service Operators in their present and future provisioning needs.

Benefits

StarGate is the one provisioning system with a unique approach offering tangible benefits;

Integration Capabilities: Many projects and products fail to address Operator needs because they fail addressing the integration requirements. StarGate system can easily integrate with any GSM network element and VAS platform. With its unique design, StarGate can also integrate with CRM systems and any middleware products, in order to fulfill any low level provisioning action of the operator. In this way, it takes load off the high level business processes onto itself.

Carrier grade technology and performance: StarGate, having been already deployed at Tier-1 operators, provides a common platform for all provisioning needs including network and VAS platforms. With out-of-the-box horizontal scalability, StarGate is there to scale with Operator's business with up to "five 9" availability to support tens of millions of customers.

Technology Openness & Infrastructure Compatibility: Unlike legacy provisioning systems, even the core parts of StarGate rely on proven and open technologies such as; Java, Oracle DB, Hibernate, JMS compliant messaging solutions, instead of in-house developed legacy libraries.

Differentiators

Distinctive capabilities by StarGate include;

Flexibility& Consistency and Performance;

- ➢ Synchronous Provisioning: Real Time Consistency between all customer care and billing (CCB) and Provisioning Nodes
- ➢ In fail/error cases, full rollback for reverse execution of dependent flows
- ➢ Network and VAS platform provisioning in a single box
- ➢ Multiple parallel and sequential flow execution in a request
- ➢ Multiple parallel and sequential job/command execution in any flow

Quick Development of Complex Flows;

- ➢ State of the art workflow engine allowing to easily configure provisioning flow
- ➢ Out-of-the-box Provisioning Flows to use with minor customer specific modifications
- ➢ Copying of provisioning flows/steps for new flow/step development
- ➢ Minimal coding is required to describe new flow behavior
- ➢ Embedded scripting language support for extended flow behavior
- ➢ Supports plug-in architecture to adapt any technology

Carrier grade operational excellence;

- ➢ Horizontal scalability
- ➢ Proven high throughput for online and offline provisioning.
- ➢ Support for up to 99.999% availability
- ➢ Hardware independent and compatible with all major UNIX distributions.

Contact with experts

Please do not hesitate to contact us for any information you may deem necessary for your provisioning needs.

Please visit: www.i2i-systems.com
Mail to: info@i2i-systems.com

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