FLEXIBLE & SYNCHRONOUS
PROVISIONING SYSTEM

5G
READY

i2i STARGATE

PROVISIONING SYSTEM

i2i Systems

innovation to integration

About i2i Systems

i2i Systems is an international information technology company that specializes in developing innovative ideas and solutions. With its highly experienced team in the Telecommunications industry it offers a diverse variety of products in Telco OSS/BSS domains, as well as 5G network solutions.

i2i Systems delivers Next Generation Converged Revenue Management solutions enabling CSPs to unlock new business models, mitigate competition, reduce costs, and quickly monetize new use cases. This is being achieved through systems that are fully convergent, cloud-native, API-first, interoperable, low-code / no- code and modular. The offerings are highly scalable and support subscriber bases ranging from tens of thousands to tens of millions, harmoniously. i2i Systems improves its experience and skills by adapting new technologies and investing in research and development to provide best quality, efficient and visionary products to its customers. In accordance with its disruptive vision, i2i Systems further invests in 5G core-network, offering an end-to-end integrated cloud-based BSS and Network solution for optimizing and converging Service Providers IT and Network landscape thus increasing efficiency and enabling new revenue streams.

Customers - Telecom (CSP)

Partners

i2i STARGATE

FLEXIBLE AND SYNCHRONOUS PROVISIONING SYSTEM

Having implemented one of the largest provisioning solution deployment (40M Subscribers) in Europe, i2i has developed its provisioning product StarGate that answers customer views and requirements for functionality with ease of operation.

One of the major problems in operators is inconsistency between different systems such as rating & billing, CRM, 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.

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 also supported.
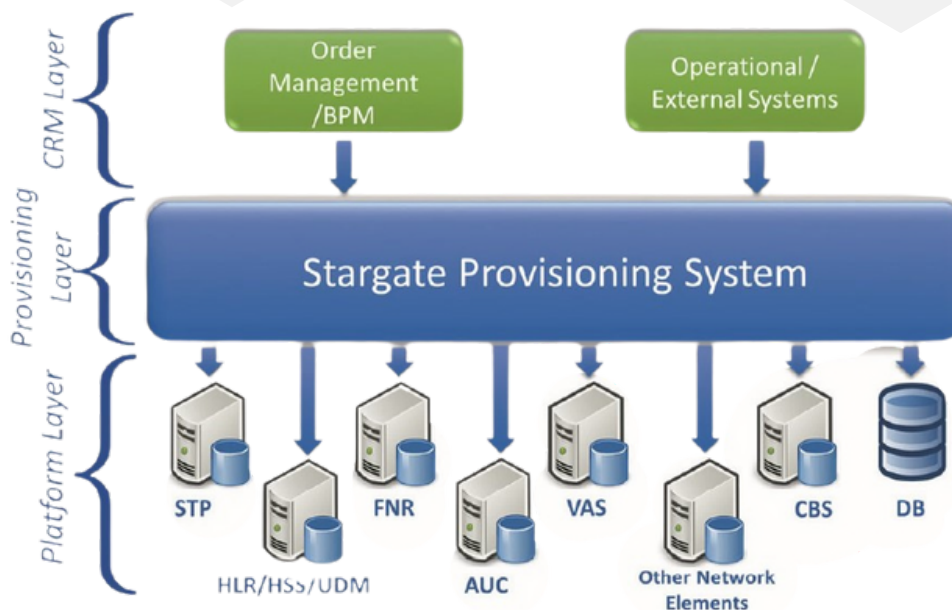
Key Benefits

StarGate is the one provisioning system with a unique approach.

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-I 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. System can be deployed on Physical servers, Virtual Servers or can be deployed as VNF on VmWare or Openstack.

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

With built-in HLR adaptors for Ericsson and Huawei, 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.

Differentiators

Distinctive capabilities of StarGate include:

Flexibility, Consistency & 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 dunning actions.
- Support for up to 99.999% availability
- Hardware independent and compatible with all major UNIX distributions.

● Head Quarter Office

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