

ENERGY MARKET INTEGRATION. GATEKEEPER 4.

GATEKEEPER AT A GLANCE.

- Sophisticated Java EE hub-router software application
- Scalable for AMI/Interval Meter volumes
- Customizable with 'Interceptor' Java API
- Manages multiple aseXML schemas simultaneously
- Solves the challenge of transferring data between systems
- Multi-Threaded transaction processing
- Supports ebXML with additional web Methods Package
- Captures a complete audit trail of all events
- Built-in alerts for exceptions and events
- Web UI for configuration and management
- Reliable security layer for business critical data flows
- High volume data flow management
- Secure FTP support

GateKeeper 4 is Hansen's enterprise and AMI scalable secure gateway server application for managing Energy Market data flows in the Australian electricity and gas markets.

Australia's National Electricity Market (NEM) and State Gas Markets are underpinned by sophisticated electronic trading systems that require all participants to interact with the market using a comprehensive set of message types and processes based on the aseXML standard.

GateKeeper occupies the space between your internal core business systems and external market hub systems and trading partners. GateKeeper is essentially the last step out to the external environment and the first step in for business critical data such as CSV and XML content that your business needs to process for day-to-day operations.

Because the outside world is out of your control, GateKeeper provides peace of mind that you are communicating with trusted parties in full market compliance. The Java EE architecture allows you to scale to whatever volume of data you need to handle, including AMI and Interval Meter data



GateKeeper checks every aspect of data passing in and out; handles handshaking, data validation, data map conversion and security processes; ensures that your data is always routed to and from the specific areas of your business that you define; and provides unparalleled customisability through the unique 'Interceptor' Java API. GateKeeper's Web User Interface makes administration a breeze.

GateKeeper is Australia's most trusted Gateway Software Application for handling complex energy market business transactions. GateKeeper is a genuine market leader for market gateways. GateKeeper: Never loses data ever!

SCALABLE.

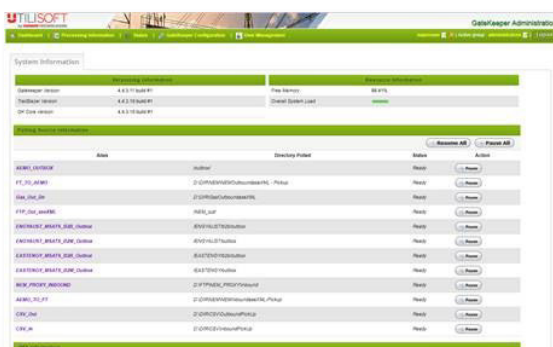
GateKeeper 4 has been designed and architected for scalability. It will cope with heavy market traffic for all market participants from small new entrants to Tier-1 Networks and Retailers.

The roll out of Advanced Meter Infrastructure across Australia is dramatically increasing both volumes of data and number of transactions. This increase in volume introduces a formidable challenge for the core business systems (CRM, CIS, Billing, MDMS) of Retailers and Networks. The gateway is a critical component in managing this increase in load and UtilisoftCX's GateKeeper 4 is ready for the challenge.

GateKeeper 4 is designed to work within the parameters of a secure Internet environment. Its multi component Corporate Gateway / Application Gateway architecture allows for a market hub connection from an instance in the DMZ with limited to one or more instances behind the corporate firewall. This provides both enhanced security as well as the capability to route market traffic to dedicated gateways at the departmental level.

MANAGEABLE.

An important consideration for any market gateway is ease of management and GateKeeper 4 introduces an industry first in providing a comprehensive web based administration console for managing all aspects of gateway configuration and operation.



GateKeeper 4 allows you to; start, stop and pause a complete gateway configuration or individual sets of transactions and messages; monitor gateway performance through on board dashboards; configure custom routing rules; and much more.

CUSTOMISABLE.

A key requirement for every market participant is the capability to easily implement custom routing rules and connection types. GateKeeper 4 enables this through it's unique "Interceptor" classes. Interceptors are a simple Java API that enables you to create your own custom Java code which is executed either prior to, or immediately following, an intercepted action in the process flow.

The Interceptor code is separate from the core GateKeeper code providing an isolation that prevents errors in the custom code affecting the performance of the core gateway.

COST EFFECTIVE.

GateKeeper 4 is proudly designed and built in Australia and is priced to match your business. The best part is that the ongoing maintenance and support payments cover you for upgrades to the software to support mandated changes required by the market operators from time to time. Often a small update project is all that is required to stay compliant. Let us reduce 'market update anxiety' and help isolate you from constant market changes.

SYSTEM REQUIREMENTS.

The following specifications will suit a production environment for a large retailer or network business. Other environments require a subset of the requirements.

APPLICATION SERVER DATABASE SERVER

- Windows 2016
 - 2 Quad-core CPUs
 - 16GB Memory
 - 300GB HDD
- Windows 2016
 - SQL Server 2016
 - 2 Quad-core CPUs
 - 32GB Memory
 - 1TB HDD

ABOUT HANSEN TECHNOLOGIES

Hansen Technologies is a global leader in billing, data management and customer care. With over 40 years' experience, Hansen Technologies Group employs over 1000 experts. Hansen's proven and scalable solutions as well as innovative and flexible offerings, enable more than 500 clients to deliver cost-effective end-to-end business initiatives to improve their customers' experience.