beOne

CLOUDFORWARDINGSUITE

The Nova Systems' IT solution for forwarding, transportation, customs, and logistics

NOVASYSTEMS
YOUR ICT PARTNER

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Cloud Services & Software Platform
BeOne | Discover the advantages of ERP software in Cloud

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CLOUD
SERVICE

Focus on your activity, everything else is on cloud forwarding suite BeOne

Business Continuity

Environment	Server farm located in an anti-seismic building with floating floor and REI 120 fire-resistant walls.
Security	Anti-intrusion monitored 24 hours both from local and remote through volumetric sensors and anti-theft locks with automatic activation by magnetic sensors. Environmental movement detectors which provide risk evaluation in real time. Server farm accesses controlled by digital print and constantly updated register of users. Registration access processes for every operation in the server farm. Inner video surveillance realized with entirely digital and supervised technologies.
Firefighting	Fire-fighting inert gas system with no harm to people or things. Electronic system with analogic smoke point detectors. Electronic system of optic/acoustic alarm in the hallways of offices and operative zones. Alarm system with remote warning of the state of the plant in real time.
Uninterruptible power supply	The electric plant fulfills all redundancy, flexibility, mainenance, security and managing criteria. Dimensionato di potenza with redundant devices in order to guarantee continuity and stabilty in the supply of electric energy. Electrical power infrastructure based on electrical power double units (normal and emergency) separated and connected to a continuity devices system (ups) with an autonomy of at least 60 minutes. The energy station predisposed for the electrical power (weekly monitored) consists of a generator capable of powering the entire plant for at least 24 hours.
Back-up	Daily back-ups automatically set; the magnetic support containing all the information is stored in a fireproof safe. The weekly back-ups' magnetic supports are stored in an important bank vault.

Private Networking

Dedicated internet line MPLS (Multi Protocol Label Switching)	Nova Systems provides dedicated internet lines for its clients, thereby making connectivity and reaching the services (MPLS, or Multi Protocol Label Switching, Line) more reliable and secure.

Proxy Service

Control over information	The Proxy Server is designed to filter the content and enable the administrative control of the information in one or both directions of the traffic from the Internet.

Internet Domain

DNS	This is a service that includes the registration and maintenance of the Domain and DNR (Domain Name System) Records and any Web Hosting.

Software Platform

Correctness	BeOne behaves exactly upon specifications in the user's manuals. The software correctness is a quality Nova Systems considers absolute, nevertheless it's hardly measurable. Nova Systems believes the "client satisfaction" is the best indicator of the correctness of the product.
Reliability	The less malfunctionings present the more reliable the system is. BeOne is considered highly reliable by the users. The reliability is strictly connected to the correctness thanks to the updating system "patch" by internet, through which it's possible to correct the possible malfunctionings both by the Nova Systems maintenance division and the users.
Robustness	BeOne is considered a robust system because it behaves in a logic way when it faces unpredictable situations uncontemplated by the specifications. The robustness certainly implies considerations about damaging effects that the system or the user suffers if the system reacts in an illogical way in front of unpredictable situations.
Efficiency	BeOne is an efficient system with high performances, it uses memory, cpu and every needed resource proportionally to the services it provides, with no wastefulness.
Usability	BeOne is easy to use, nevertheless this is a subjective quality, it depends on the context and experience of the user. The interface was carefully created for the user in order to achieve an intuitive application. Also in tis case it's the client who has to evaluate this characteristic.
Ecocompatibility	BeOne is an eco-friendly system, its design is concerned about the impact on the environment.
Scalability	BeOne is scalable, it can be adjusted to many different contexts and still not needing a redesign.
Verifiability	The system can be classified as verifiable if the correctness an reliability are. BeOne has been realized with modular design techniques, suitable programming languages and monitor software in order to facilitate the check.
Maintainability	It's possible to amend BeOne. The system maintenances are: - corrective. It eliminates possible mistakes at the moment of the release of the product and those which were produced by former maintenance interventions. - adjusting. It allows modifications after environmental changes, hardware changes, operation changes, etc. - finishing. It improves the qualities of the software to introduce new functions and enhance the existent. The possibility of maintenance has two more functions: - repairability. It indicates what allows to eliminate defects. - progressing. It indicates what allows the improvement of new requisites.
Portability	BeOne is portable, and because of it the system can work in different environments.

for IBM i Power Systems Client-Server Applications	
Client	Windows C++ 32 bit Client Applications run on Windows XP or later
Server	IBM i (formerly known as i5/OS®) running on IBM Power Systems™ servers
DBMS	DB2 Universal Database (UDB) for IBM i Power Systems is an advanced, 64-bit Relational Database Management System (RDBMS). The Database access is made by RPGIV Server Functions.
Protocol	Client applications connect to the BeOne dispatcher using RPC (remote procedure calls). To communicate to the IBM i Power Systems, BeOne uses sockets APIs over the TCP/IP protocol.

for Windows Microsoft BackOffice Applications	
Client	Windows C++ 32 bit Client Applications run on Windows XP or later
Server	Microsoft Windows Server 2003 or later
DBMS	Microsoft SQL Server via the Microsoft Open Database Connectivity (ODBC) Oracle DataBase via the Oracle Call Interface (OCI). The Database access is made by C++ Functions.
Protocol	Client applications connect to the BeOne dispatcher using the Microsoft RPC protocol, which can be layered over a variety of different network protocols, including named pipes (which themselves run either over NetBEUI or TCP/IP-NetBios), over TCP/IP directly, or even over the HTTP protocol, using Microsoft IIS as a gateway.

for Java Applications	
Client	Java clients (applications or applets)
Server	▪ Server Machine running a Java Virtual Machine, using Java Functions. ▪ IBM i Power Systems using native RPGIV Functions.

DBMS	Data access through Java Database Connectivity (JDBC) for the following DBMS: DB2 Universal Database (UDB) for IBM i Power Systems DB2 Universal Database (UDB) for Windows Microsoft SQL Server. Oracle DataBase The Database access is made by Java Functions. DB2 Universal Database (UDB) for iSeries Relational Database Management System (RDBMS).The Database access is made by RPGIV Server Functions.

for Open Database	
.	BeOne for Open Database deployed as Windows applications accessing distributed data using the Open Database Connectivity (ODBC) interface.
Client	Windows C++ 32 bit Client Applications run on Windows XP or later
Server	Machine using one of the following DBMS:
DBMS	• DB2 Universal Database (UDB) • Microsoft SQL Server • Oracle DataBase • Sybase SQL Anywhere* • Microsoft Access* • MS FoxPro*
.	SQL is used for data access from C++ programs. * For the limitation due to these DBMS, only a small part of BeOne can be available.