The challenge

The demands made on today's IT infrastructures are growing constantly. The integration of all different kinds of IT subsystems and the introduction of new technologies give rise to an ever-increasing number of complex routines and individual processes, which all need to be automated in a heterogeneous system environment.

Manual control mechanisms, rigid programming or the use of impractical job scheduling tools turn this task into an insurmountable hurdle. Poor maintainability, high development overheads, allied with time-intensive monitoring and troubleshooting, generate huge costs and tie up valuable resources.

State-of-the-art

Designed and developed to meet the complex requirements of large data warehouse systems, BICsuite has been safeguarding the smooth automated operation of large-scale EDWH and business intelligence environments for over a decade. With its indispensable functionalities, BICsuite is capable of mastering the challenges of a modern IT operations in all other areas as well.

What BICsuite can do

With BICsuite, the user is able to define and execute complex, cross-system routines with an arbitrary number of sequential and parallel processes in a heterogeneous network. Taking into account resource utilisation and availability, dependencies and priorities, BICsuite starts all the programs required to run these routines as timely as possible. Centralised monitoring and controlling of the overall system mean that with BICsuite you will always have all of your processes well under control.

BICsuite highlights

True to the motto "The whole is more than the sum of its parts", the BICsuite Enterprise Job Scheduling System stands out over comparable systems with a series of features that make automating IT processes reliable, dynamic and cost-effective.

Completeness

BICsuite offers all the functions required to implement process decomposition (breaking down complex processes into single processes). This keeps the code developed by the user completely free of any aspects of the workflow control.

Dynamics

Dynamic load control and load balancing are an integral part of the BICsuite functionality. Taking into account all the marginal conditions (priorities, resource availability, etc.), BICsuite constantly calculates what processes can be started.

Concepts

With its clear and simple concepts (exit states, hierarchies, dependencies, triggers, etc.) and their interoperability, BICsuite guarantees simple, comprehensible and robust implementation of all the tasks that occur in day-to-day practice.

Operability

The standardised BICsuite front end and clearly defined concepts lead to a steep learning curve and short training times for users at minimal cost. The development, monitoring and overall system operation workload for employees is reduced, significantly cutting the idle performance that results from these activities.

Security

Detailed object privileges allow for precise control of access permissions. System privileges enable administration tasks to be specifically delegated without granting full administrator rights. All operator actions can be traced whenever required using the audit trail.

Integration

The open and fully documented API allows BICsuite to be fully controlled from any system. The permanently up-to-date data pool in the BICsuite repository provides access to all the information using standard RDBMS methods (SQL), so that BICsuite can be integrated perfectly into any system landscape.
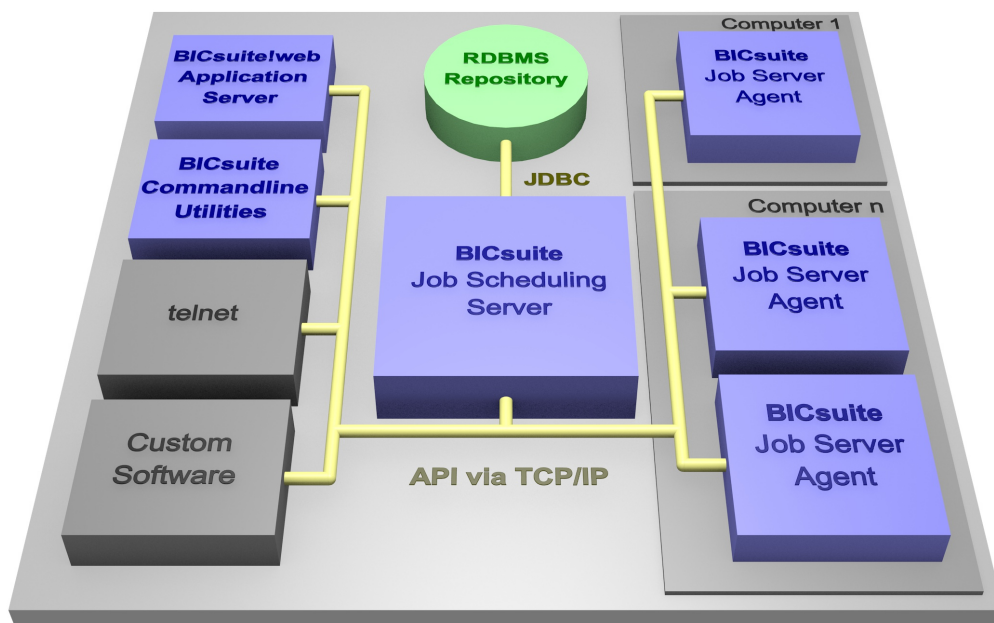
Stability

Assuming that the data security of the deployed RDBMS has not been compromised, all components can be restarted after a hardware or power failure, operating system crash, or any other problems, at any time and without manual intervention. Guaranteed.

Performance

At the heart of the BICsuite Enterprise Job Scheduling System is a multithreaded server for parallelising the processing operations. A memory-based persistence model keeps access to the RDBMS repository down to a minimum. This means that BICsuite is also capable of handling heavy loads in large-scale environments.

Architecture

Established industry standards (Java, JDBC, SQL, RDBMS, TCP/IP, C, HTTP/HTTPS, SSL/TLS, etc.) form the reliable foundation for BICsuite, while command line utilities allow working and automated operation using scripts (Shell, Perl, Python, etc.).

Overview System Architecture

The sooner, the better

Don't wait any longer to exploit the potential of professional IT process automation. schedulix will let you take full advantage of a state-of-the-art and powerful Enterprise Job Scheduling System. With its unique set of features, schedulix can be deployed for projects and companies of all sizes – cost-effectively and always capable of handling growing requirements.

The benefits for you at a glance

Reduced development, monitoring and operating costs
Faster troubleshooting and bug fixing
Low integration and induction costs
Optimum usage of hardware resources
Improved performance of the overall system
Reduction in planning overheads
Greater flexibility
Transparent and manageable processes and routines
Improved maintenance and portability
Increased stability of the overall system
Efficient restarts and crash recovery
Prevention of unauthorised access
Ad-hoc requirements can be fulfilled at all times
Optimum integration capability with open and documented interfaces
Free BASIC Edition

Further information

More detailed information, manuals and guides, whitepapers and much more besides can be found on our website at www.independit.net. Or give us a call. We'll be glad to advise you.

A product from independIT

independIT Integrative Technologies GmbH is a technological leader in the field of Enterprise Job Scheduling. independIT has been supplying BICsuite to its customers since 2003, providing them with an innovative IT process automation tool that is designed right from the development phase to meet the complex requirements of a modern IT infrastructure.

In 2013, independIT became a member of the OSBA (Open Source Business Alliance), and offers the commercial BICsuite BASIC as an open source variant under the name schedulix.

More information and contact details

independIT Integrative Technologies GmbH
Bergstr. 6
86528 Schrobenhausen
Tel: +49 8252 9658033
Fax: +49 8252 9658034
www.independit.com
contact@independit.com