

RASP CONSULTING, INC.

Specializing in Information Systems Services, Support & Hardware Solutions

11427 Reed Hartman Hwy Suite# 238 - Cincinnati, OH 45241 Ph: 513.242.4010 Fax: 513.618.6533

IBM i 6.1 delivers IT freedom for business flexibility

With business moving faster than ever, you need an operating environment that can protect business continuity while enabling new levels of flexibility, scalability, and efficiency. Combining a tradition of excellence with industry-leading innovation, IBM i is the answer. IBM i 6.1 (i5/OS V6R1) takes a great step forward to set new standards for efficiency and resiliency in business processing. To help businesses thrive in competitive marketplaces, this release includes expanded options for virtualization, upgraded storage and availability management, breakthrough Java performance, new support for POWER6™ processors and [BladeCenter®](#), and a broad range of middleware and tools to help drive SOA transformation.

Manage Growth, Complexity & Risk

- Trusted [security](#) with auditing and compliance tools to protect business operations
- New encryption support to help meet regulatory requirements
- Simplified, Web-based management to reduce administrative disruption
- Integration with [IBM System Storage™](#) solutions for [disaster protection and recovery](#)

Realize Innovation

- Support for POWER™ servers with one to sixty-four processors, as well as [blades](#), for non-disruptive expansion
- Optimized integration with the included [DB2®](#)
- [Engineered for open application design choice \(IBM Rational®, C, RPG, COBOL, C++, Java™, PHP, CL, SOA, UNIX® application runtime\)](#)

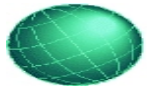
Boost efficiency

- Easily runs multiple critical applications simultaneously
- Dynamic workload management to deliver capacity where and when it is needed most
- EnergyScale™ support for efficient energy management—go green and save
- New Fibre Channel adapter with breakthrough DS8000™ performance to support [SAN](#) strategies
- Integrated, pre-tested middleware to support greater efficiency and availability
- [Virtualization](#) for processing and storage to squeeze maximum value from hardware investments and licensing

Features

| Feature | Benefit |
|----------------------------------|---|
| Virtualization | |
| Virtualization of IBM i Storage* | Reduce costs and simplify creation of IBM i test and development environments through storage virtualization from IBM i or VIOS |
| Shared Processor Pools* | Decrease software licensing costs by capping the number of processors a group of partitions can use |
| Storage Space Snapshots | Improve availability with backup of virtual IBM i, AIX, Linux, and Windows environments while they are active |
| File level backup for Linux | Improve availability with IBM i-based file level backups of Linux running in partitions or on integrated servers |
| Integrated server | Reduce costs of server farms with enhanced iSCSI-based integration with BladeCenter and |





RASP CONSULTING, INC.

Specializing in Information Systems Services, Support & Hardware Solutions

11427 Reed Hartman Hwy Suite# 238 - Cincinnati, OH 45241 Ph: 513.242.4010 Fax: 513.618.6533

| | |
|-------------------------------------|--|
| enhancements | System x servers with support for VMware VMotion |
| SAN Integration | |
| New Fibre Channel Adapter* | Deliver breakthrough performance for IBM i and IBM Systems Storage 8300 environments through improved SAN support |
| BladeCenter Support | |
| Support for JS22 Blade* | Enable consolidation of IBM i and x86 servers with an IBM BladeCenter solution |
| Availability | |
| High Availability Solutions Manager | Reduce impact of planned and unplanned outages with disk clustering solution from IBM |
| Security | |
| Encryption | Meet regulatory requirements by protecting data at rest and backups of critical business information through advanced encryption |
| Intrusion detection and prevention | Improve application availability with enhanced capabilities to detect and respond to web-based attacks |
| Management | |
| IBM Systems Director Navigator | Reduce IT costs with easy, integrated, web-based management environment for IBM i |
| Performance Data Investigator | Enhance analysis of performance data with new web-based performance data viewer |
| Java and Web | |
| Performance | Support more transaction/second for Java and WebSphere applications with IBM i 6.1 enhancements |
| IBM 64-Bit JVM | Enhance portability for ISV applications and improve performance of Java applications with IBM Java technology |
| Integrated Web Application Server | Simplify deployment of Java applications with built in web application server |
| Integrated Web Services server | Extend value and use of business applications through built in web services environment |
| Integrated server enhancements | Reduce costs of server farms with enhanced iSCSI-based integration with BladeCenter and System x servers with support for VMware VMotion |
| DB2 | |
| New database functions | Enhance application functionality and performance with new database functions and management tools |
| OmniFind Text Search | Full text document searching through DB2 |

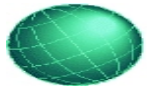
*Requires POWER6 processor-based systems

IBM i 6.1 is supported on IBM System i models 515, 520, 525, 550, 570, and 595, the IBM BladeCenter JS22, and IBM iSeries models 800, 810, 825, 870, and 890. IBM plans for IBM i 6.1 to be the final release supported on iSeries models 800, 810, 825, 870, and 890.

Technical Notes – Program Conversion

With IBM i 6.1 (i5/OS V6R1), IBM will require conversion of all programs created under previous releases that use the IBM i Machine Interface (MI). This conversion upgrades and refreshes programs to take advantage of the latest system enhancements, including enhanced system integrity, improved performance, and a range of new operating system and processor capabilities. In order for a program to be converted, its creation data (sometimes referred to as





RASP CONSULTING, INC.

Specializing in Information Systems Services, Support & Hardware Solutions

11427 Reed Hartman Hwy Suite# 238 - Cincinnati, OH 45241 Ph: 513.242.4010 Fax: 513.618.6533

observability) must be available. Programs created for IBM i V5R1 or later automatically retain creation data sufficient for conversion. Clients and ISVs with programs created for OS/400® V4R5 and earlier need to ensure that creation data is available for the conversion process.

IBM has provided the Analyze Object Conversion (ANZOBJCVN) tool for IBM i 5.3 and 5.4 (i5/OS V5R3 and V5R4) to help you plan for program conversion. This tool helps you identify potential conversion difficulties, if any, and estimates the time required for program conversion.

Looking for additional information on program conversion? Checkout the [ITSO Redpaper IBM i Program Conversion: Getting ready for IBM i 6.1.](#)

Need Help? Give us a call

RASP Consulting, Inc. is a reliable provider of consulting services, hardware and software reseller. Established in 2001 in Cincinnati, Ohio, RASP Consulting, Inc. specializes in providing information technology solutions, services, and support. The company offers superior technical specialists to help with your information technology business demands. We provide a very high level of practical experience, contacts, and confidentiality.

