

## IBM i OS Agent

**LPAR2RRD** is a free performance monitoring and capacity planning tool for **IBM Power System**.

IT collects performance data and generates actual, historical and future trends utilization graphs of your virtual environment. It is agentless (it receives everything from the HMC).

Since version 4.90 is available OS Agent for IBM i for collecting broader set of data directly from operating system. This information gives you much deeper look into performance on yours IBM i servers and LPARs.

The OS agent is written in C language. It is running on IBM i operating system where it regularly (every minute) collects performance data and transfers it every 10 minutes to the LPAR2RRD server where data is saved and graphically presented through the web GUI.

IBM i OS Agent will provide following set of data:

Graph name	Metric	Per System	Per Pool	OS cmd equivalent	Notes
WRKACTJOB	CPU %	✓		WRKACTJOB - CPU	CPU usage in
CPUTOP	CPU core	✓			CPU core
IOTOP	IO usage	✓		WRKACTJOB - IO	IO usage
JOBS	Jobs	✓		WRKSYSSTS - Job	
	Active jobs	✓			
	Active threads	✓			
ASP	Capacity	✓			[GB]
	Data	✓			[MB/sec]
	IO	✓			[IO/sec]
POOL SIZE	Pool size		✓	WRKSYSSTS - Size	[GB]
THREADS	Current		✓		
Faults	DB faults		✓	WRKSYSSTS - Fault	faults/sec
	non DB faults		✓	WRKSYSSTS - Fault	faults/sec
Pages	DB pages		✓	WRKSYSSTS - Pages	pages/sec
	non DB pages		✓	WRKSYSSTS - Pages	pages/sec

### Scope

The agent provides more information than is actually graphed and can be easily enhanced about whatever metric which IBM i provides.

The agent uses following IBM i API's:

- QWCRSSTS: system performance metrics and memory POOLS
- QUSLJOB and QGYOLJOB: job detailed metrics
- QYASPOL: ASP detailed metrics

LPAR2RRD IBM i OS agent is free software. No any feature restrictions!

We offer support of the product which brings you the following benefits:

- SLA: next business day response time for critical issues
- Source code available
- Regular health checks
- Priority in implementation of new functionality which the customer requests
- Creating customized reports based on the customer's requests

On the following pictures, you can see some examples of graphs provided by LPAR2RRD IBM i OS Agent:

