

Resource Risk Forecaster

ADMINUX®

Management reports often provide only raw data that must be analyzed to be of any use to administrators or managers.

The AdminUX Resource Risk Forecaster (RRF) automatically analyzes its information and provides a long-range forecast to determine the risk of exhausting a system resource.

Current resources monitored are:

- ▶ filesystem space
- ▶ swap space

Database

System resource data is collected once a day into an AdminUX database according to the Database Watch defined in the AdminUX Logs Matrix file.

The default parameter is each day at 12:00 noon. The maximum days of data to keep in the circular database is also defined in the Logs Matrix. The default value is 366 days

Analysis

Immediately after the database tables are updated, an analysis is performed.

Data is analyzed according to linear least squares regression analysis

- ▶ If the model predicts the resource will be exhausted within 90 days, an alarm is set. RRF remembers this event in the AdminUX Resource table and will not set a 90-day alarm again.
- ▶ If the risk falls within 60 days, the alarm is set again for the new threshold.

▶ There will be a final alarm set if the risk falls within 30 days.

Should the risk once again exceed 90 days at any point in this process the RRF will be reset.

If a filesystem is expanded, the system notices this event and will automatically reinitialize the data for that filesystem.

Risk concerns are recorded in the AdminUX RESOURCE.log and message files.

A resource issue will trigger AdminUX ALARM 730.

The AdminUX Resource Risk Forecaster will provide the hard data managers need to plan for the upgrades necessary to keep your operations smooth and your business competitive in the market place.

www.adminux.com

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