

Infrastructure - Task #175

Identify an infrastructure monitoring framework

2010-01-14 14:46 - Dave Vieglais

Status:	Closed	Start date:	
Priority:	High	Due date:	
Assignee:	Dave Vieglais	% Done:	100%
Category:	d1_monitor	Estimated time:	0.00 hour
Target version:	CCI-0.4	Story Points:	
Milestone:	None		
Product Version:	*		

Description

It will soon be necessary to have a monitoring system in place that basically monitors resource use and system availability for the [DataONE](#) infrastructure. This would be helpful to identify system outages or loading on particular components (e.g. CNs running at max memory or MN bandwidth limited, etc).

The selected system should support a plugin architecture so that additional metrics can be added to the monitor (e.g. total data sets in system, or data sets per node).

A few candidates are:

- "nagios": <http://www.nagios.org/>
- "ganglia": <http://ganglia.sourceforge.net/> (more suited to LAN configurations)
- "zabbix": <http://www.zabbix.com>
- "zenoss": <http://community.zenoss.org>
- "rrdtool": <http://oss.oetiker.ch/rrdtool/> (generic timeseries recording and viewing - not a monitor)
- "cacti": <http://www.cacti.net/>

History

#1 - 2010-01-14 17:06 - Matthew Jones

We have Nagios set up at NCEAS for monitoring all of our servers -- it works well and allows custom monitoring scripts making it very flexible. Given our time constraints, I suggest we simply use that for now to minimize time to deployment -- the last thing we need is more tasks. -- Nick may already have it set up for cn-dev -- I'll check with him.

#2 - 2010-08-03 19:13 - Dave Vieglais

Currently using Cacti for monitoring.