

RHQ Current Charting Summary Assessment (10/2012)									
Ref.	Chart	Technology	Chart Type	Single/Multiple Charts	Chart Dimensions	Timeframe Adjustable	Information	Aggregate to Individual *	Notes
a	Dashboard: Resource Metric Graph portlet	Gflot	scatter/line	single	square/med	no	metrics over time	no, points only	Same graph servers groups as well.
b	Dashboard: Resource Metric Graph: Live Graph	Gflot	line	single	square/large	no	real-time metrics over time	no, points only	"Live" detail of previous graph. Live data is retrieved from agent not db.
c	Inventory: Resource: Summary tab : Activity subtab: Resource Measurements portlet: Sparklines	jQuery(Sparklines)	sparkline	multiple	long/small	no	metrics over time	N/A	low priority to change.
d	Inventory: Resource: Summary tab : Activity subtab: Resource Measurements portlet (click metric name): single metric chart	iframe from portal war	bar w/whiskers	single	long/large	yes	metrics over time	yes, individual bars	
e	Inventory: Resource: Monitoring tab : Graphs subtab	iframe from portal war	candlesticks	multiple	long/large	yes	metrics over time	yes, individual bars	
f	Inventory: Resource: Monitoring tab : Tables subtab : Selected Metrics	iframe from portal war	bar w/whiskers	multiple of d)	long/large	yes	metrics over time	yes,points	
g	Resource Timeline	Timeline.js	timeline	single	long/large	yes	Events over time (for a resource)	N/A	This one suites our needs and isn't necessary to change
h	Inventory: Resource (Autogroup): Monitoring tab : Graphs subtab	iframe from portal war	candlesticks	multiple	long/medium	no	Aggregate metrics over time	no aggregate only	This represents aggregate data so click on individual resource for single values
i	Inventory: Resource (Autogroup): Monitoring tab : Tables subtab : Click on metric row in top half	iframe from portal war	multi-line chart	single	long/large	yes	Multiple individual of aggregate metrics over time	no aggregate only	Allows selection/deselection of participating resources in aggregate. Difficulty High.
	Observations	Future Action							
1	We have many different chart types(bar,scatter,line,candlestick) to display metric data. [Probably, a legacy issue]	We need to consolidate these chart types. It will make the user experience more consistent and less code for us to maintain. But, we need to decide what that graph type should look like.							
2	We still have portal war charts being rendered in an iframe.	Migrate to new charting code so we can free ourselves from portal war							
3	Timeline	The timeline could also be done in d3 using scatter plot with images. Need to investigate more as interesting metrics could be overlaid here.							
4	Live graph views talk directly to the agents and as such don't pull data from the db. This can lead to confusion between the discontinuity of data.	It needs to be more apparent that live data is different it is coming directly from the agent. UXD issue? Or get rid of it entirely.							
5	The sparklines look good now and renders on IE8.	Eventually this should be moved over to d3 but low priority. We could insert our own enhancements to sparklines at that point. For instance, we could even have real-time sparklines that update animated and show alerts or badges.							
	* The 'Aggregate to Individual' column refers to the ability of aggregate bars to turn to individual points once the timeframe changes down to a granularity that ranges become individual values.								