

# Re: Real Time Data Visualisation (Charts & Gauges) using ASP.NET

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2007-05/msg01302.html>

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- *From:* "Steve C. Orr [MCSD, MVP, CSM, ASP Insider]" <[Steve@xxxxxxx](mailto:Steve@xxxxxxx)>
  - *Date:* Thu, 10 May 2007 11:57:10 -0700
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Here's another product you might want to investigate:

<http://www.idashboards.com/>

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I hope this helps,  
Steve C. Orr,  
MCSD, MVP, CSM, ASPInsider  
<http://SteveOrr.net>

"Martin Hughes" <[martin@xxxxxxxxxxxxxxxx](mailto:martin@xxxxxxxxxxxxxxxx)> wrote in message

<news:uwqO8%23OkHHA.4672@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Hi Steve,

Thanks for the link to your review.

I do really like Dundas products – I have used their charts for WinForms before, so I am of course reluctant to give up on them totally.

As far as the Flash streaming goes – how responsive is it? The samples I have seen can be a little sluggish to say the least... For this kind of thing (ie telemetry monitoring) as soon as something happens (and the data is received) it needs to show up – I guess the chart almost needs to "scroll" as data is received...

On that note, we are looking at creating a WinForms app to run on the local area network machines, as well as the WebForms app for remote monitoring. Using WinForms will let us do a lot more heavy processing on the client machine. Of course that will be another development budget...

Nothing has been finalised yet, but we are looking closely at both WinForms and WebForms apps to work out the best way to proceed.

Cheers!

Martin

"Steve C. Orr [MCSD, MVP, CSM, ASP Insider]" <[Steve@xxxxxxx](mailto:Steve@xxxxxxx)> wrote in message

<news:3D5ABF1A-C713-4DAB-B6F1-FAB484771759@xxxxxxxxxxxxxxxxxxxx>

Re: Real Time Data Visualisation (Charts & Gauges) using ASP.NET

Dundas Gauge can be configured to stream a Flash interface instead of the slower image updating you were talking about.

I'd suggest trying that before giving up on Dundas.

Here's more info:

<http://SteveOrr.net/reviews/DundasGauge.aspx>

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I hope this helps,

Steve C. Orr,

MCSO, MVP, CSM, ASPInsider

<http://SteveOrr.net>

"Martin Hughes" <martin@xxxxxxxxxxxxxxxx> wrote in message  
<news:O7ZBp5MkHHA.4112@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Hi guys,

I was wondering if anyone could give me some advice.

I am looking to develop an ASP.NET application that will enable several workstations to access real time telemetry data received from a vehicle on a track.

The data flow would be as follows:

|-- Workstation 1

|-- Workstation 2

From Car <--[2 Way Radio Link]--> Server--|-- Workstation 3

|-- Workstation 4

|-- Workstation n

The workstations would be running the same web application which would enable them to set up one or more "views", with graphs, gauges, and other visual components, as well as controls that would enable them to change setting on the vehicle (which would be sent back to the car through the server).

The server would also log everything to a database so that engineers have access to all the parameters at any time after the fact.

Can anyone recommend any components for charts and gauges that would enable this "real time" (and it must be real time) visualisation. I was looking at dundas charts and gauge but the update rate is very slow (I think because they use images to update).

I want to keep this as an ASP.NET application, so theoretically anyone could access the data in real time over the internet, whether they are at the circuit or 6,000 miles away at the team base.

Many thanks for any recommendations!

Martin Hughes