

Merit Network Direct Connect Internet2 Bandwidth Usage Statistics

Merit's Direct Connect Bandwidth Usage Statistics provides Members and Affiliates with the information they need to ensure that their Internet connectivity is meeting their organization's needs.

How to Find Bandwidth Usage Statistics:

1. From the Merit website, <http://www.merit.edu>, click the "Member Portal Login" Link.

The arrow in Figure 1 shows the location of the link.

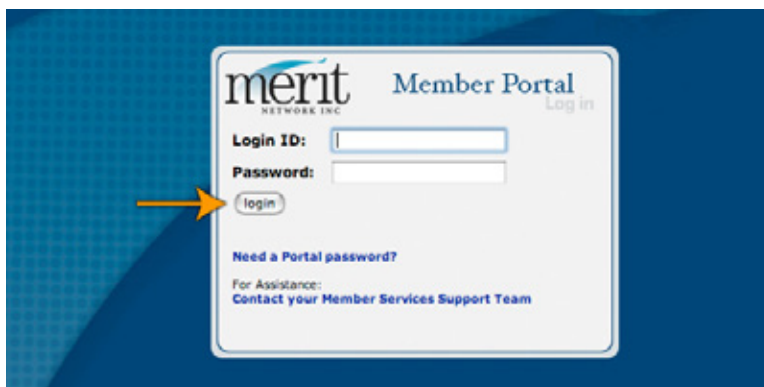
Figure 1



2. Log into the Member Portal using your Member Portal Login ID and Password. If you do not have a portal account, you can request a portal password by clicking the "Need a Portal Password?" link.

See Figure 2 for location of the link.

Figure 2

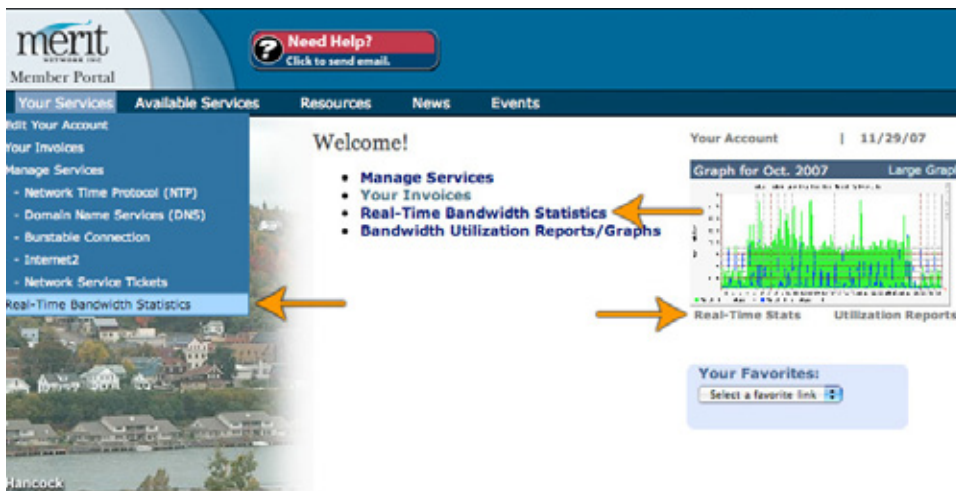




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3. On the main Member Portal page, you can access the Bandwidth Usage Statistics from three locations: 1. In the dropdown menu under “Your Services,” click the “Real-Time Bandwidth Statistics” link; In the middle of the page, you can click the “Real-Time Bandwidth Statistics” link; and on the right side of the page below the graph image, click the “Real-Time Stats” link.

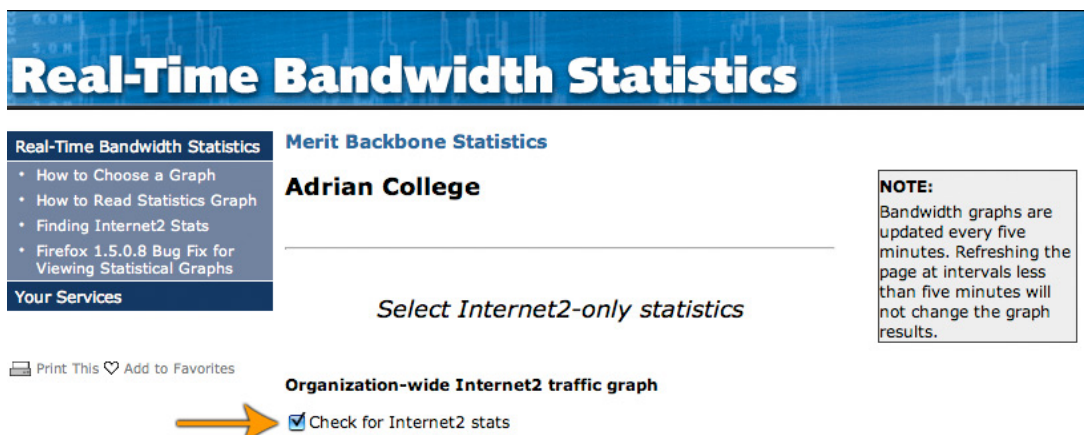
Figure 3



4. The Statistics Search Form will load a new form that has two parts. If your organization is capable of viewing Internet2 statistics, the top part of the form will have a checkbox for Internet2 stats. The bottom part of the form will have a list of interfaces.

Select the checkbox next to “Check for Internet2 stats.” The arrow in Figure 4a indicates where the checkbox is located on the web page.

Figure 4



The screenshot shows the 'Real-Time Bandwidth Statistics' page for Adrian College. The page title is 'Real-Time Bandwidth Statistics' and the organization is 'Adrian College'. There are two main sections: 'Real-Time Bandwidth Statistics' and 'Merit Backbone Statistics'. The 'Real-Time Bandwidth Statistics' section includes links for 'How to Choose a Graph', 'How to Read Statistics Graph', 'Finding Internet2 Stats', and 'Firefox 1.5.0.8 Bug Fix for Viewing Statistical Graphs'. The 'Merit Backbone Statistics' section has a link for 'Select Internet2-only statistics'. A 'NOTE' box states: 'Bandwidth graphs are updated every five minutes. Refreshing the page at intervals less than five minutes will not change the graph results.' At the bottom, there is a 'Print This' and 'Add to Favorites' button, and a checkbox labeled 'Check for Internet2 stats' which is checked. An orange arrow points to this checkbox.



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Scroll down to the bottom of the form and click the Submit button. No interfaces need to be selected to generate Internet2 bandwidth usage statistics.

Figure 4b

ADRIAN3	<input type="checkbox"/> serial1_1.1	PVC to FRAME1 S1.4
ADRIAN3	<input type="checkbox"/> serial1_1.2	PVC to FRAME1 S4.6
ADRIAN3	<input type="checkbox"/> serial1_1.3	PVC to FRAME1 S6.3

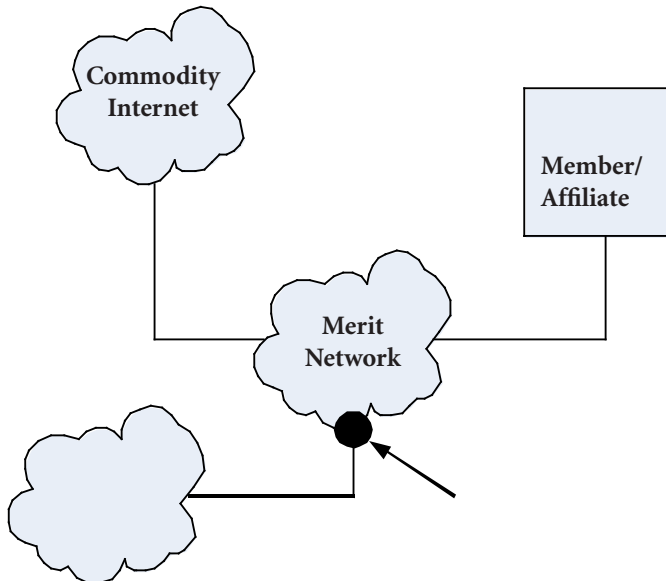
Select one of the following options. Please also specify a starting date if that option is selected. The resulting graph will cover the date range from the day selected to today. The format of the date is MMM DD, YYYY. The month can be in either upper or lower case.

Last 48 hours
 Specify a Starting Date
 Please enter a Starting Date [Popup Calendar](#)



5. Internet2 statistics for an organization are measured at the point where Merit connects to Internet2. See Figure 5a for a diagram.

Figure 5a

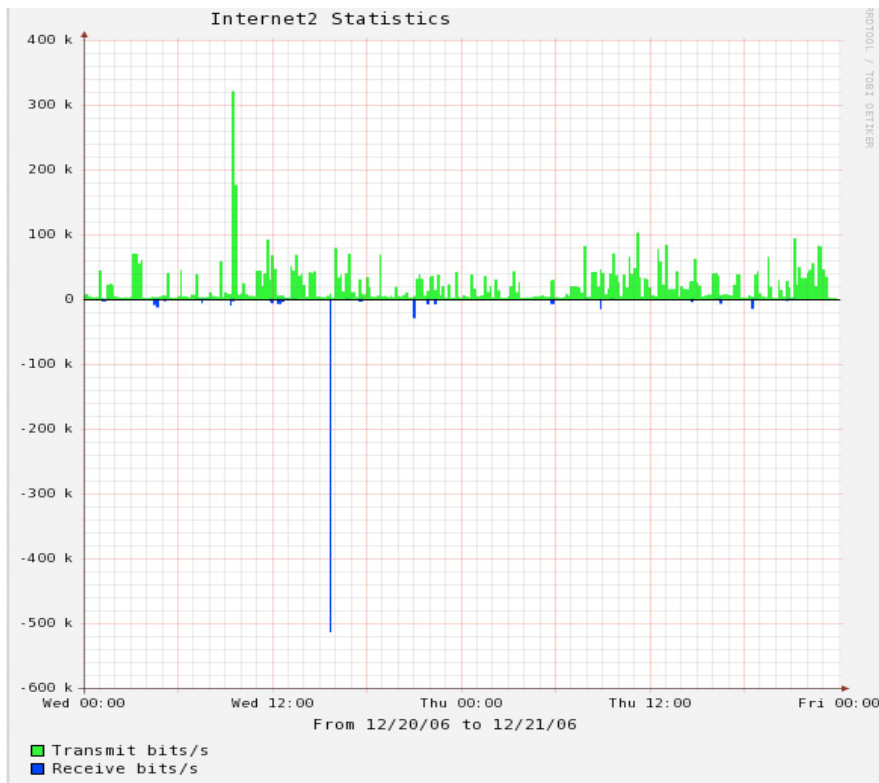




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The graph style for Internet2 data is slightly different than interface data. See Figure 5b for an example.

Figure 5b



Interpreting the Graph

Bits per Second

The Y-axis displays the bits per second to and from Internet2 for your organization. The graph will create an appropriate size/scale based on the largest value on the graph.

Bits In and Out

- Bits In [upper-half green]
- Bits Out [lower-half blue - negative numbers]

Data graphed in green is traffic from your organization to Internet2

Data graphed in blue is traffic from Internet2 to your organization but mirrored below the Y-0 line (so that the numbers show as negative)

Please contact your Merit Support Team at www.merit.edu/members/ if you have any questions or need assistance.