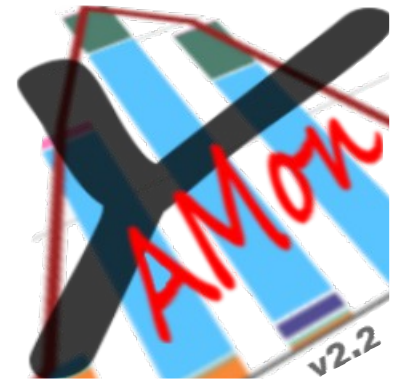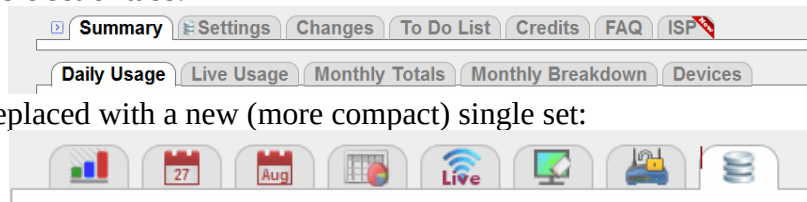# What's new in YAMon 2.2

In short, lots!

For one, I created a new `logo` and a new favicon.

On the router side:
- `yamon2.sh` makes (far) few read/writes which'll reduce load on your server and wear and tear on your USB drives.
- There are a number of parameters in `default config.file` have been added and/or deleted. Please compare your current config.file with `default config.file` to ensure that your settings are up-to-date.
- I **strongly recommend** that you look at setting `_symlink2data=1` as this should lessen the load on your router considerably! Thanks to everyone (esp. Alex Moore) who helped to get the code right for this!
- There is also better support for OpenWRT thanks to Robert Micsutka
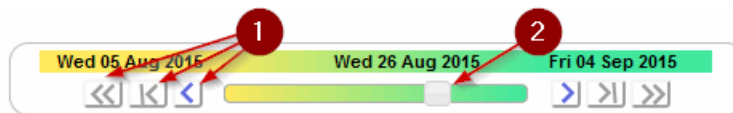
In the reports:
- Under the covers, I've consolidated/optimized most of the smaller icons into image `sprite` files (which means that there are fewer resources to load).
- I've also optimized and tidied the JavaScript and CSS files
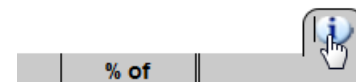- The old double set of tabs:

  have been replaced with a new (more compact) single set:

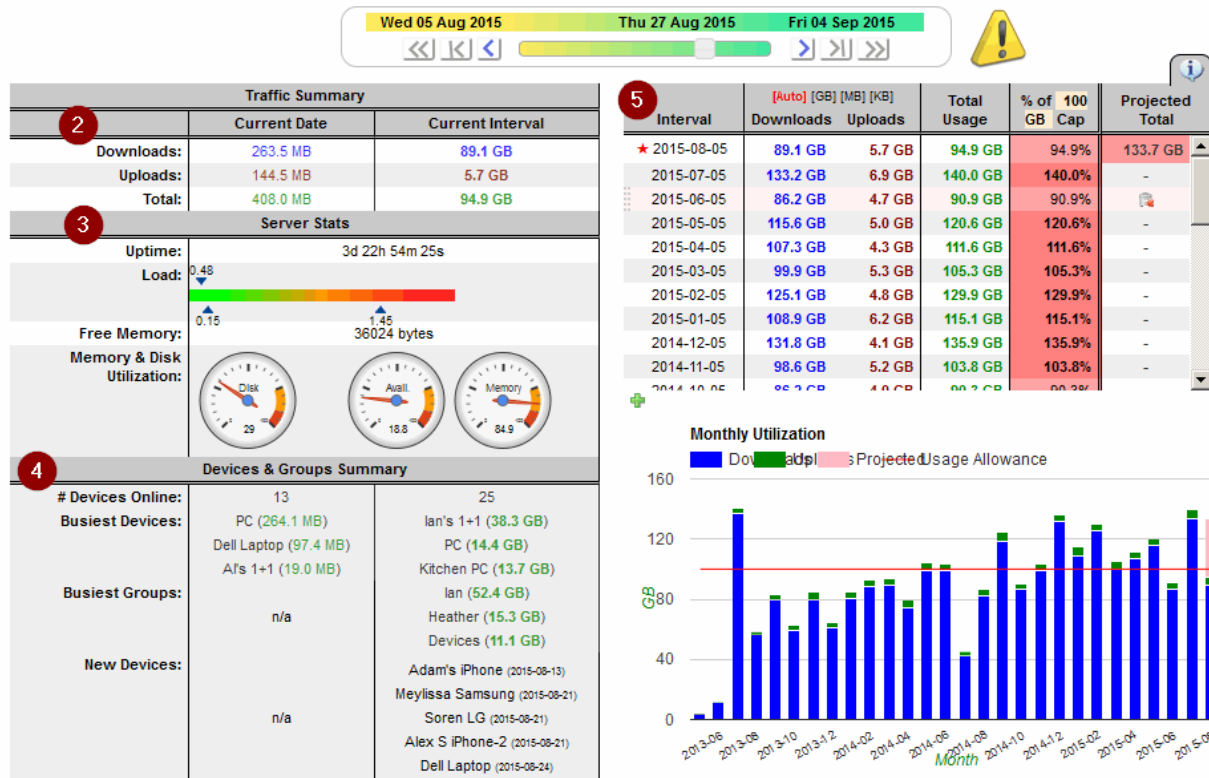- Date selection is now easier:

  1. the first three buttons (in order from left to right) will load
     - the first day of the previous report interval
     - the first day of the current reporting interval
     - the previous day within the current reporting interval
  2. the tab in the slider allows you to quickly jump to a particular day within the current reporting interval (simply click & drag!)

- Many of the tables now have inline help and/or settings. Simply click to show and/or hide the associated dialogs.
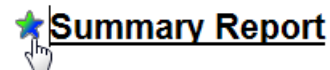
- There is a new `Summary Report`:

⭐ Summary Report ❶

Wed 05 Aug 2015	Thu 27 Aug 2015	Fri 04 Sep 2015

Traffic Summary ❷

	Current Date	Current Interval
Downloads:	263.5 MB	89.1 GB
Uploads:	144.5 MB	5.7 GB
Total:	408.0 MB	94.9 GB

Server Stats ❸

Uptime:	3d 22h 54m 25s
Load:	0.48
Free Memory:	36024 bytes
Memory & Disk Utilization:	Disk 29 Avail. 18.8 Memory 84.9

Devices & Groups Summary ❹

# Devices Online:	13	25
Busiest Devices:	PC (264.1 MB)	Ian's 1+1 (38.3 GB)
	Dell Laptop (97.4 MB)	PC (14.4 GB)
	Al's 1+1 (19.0 MB)	Kitchen PC (13.7 GB)
Busiest Groups:		Ian (52.4 GB)
	n/a	Heather (15.3 GB)
		Devices (11.1 GB)
New Devices:		Adam's iPhone (2015-08-13)
		Meylissa Samsung (2015-08-21)
	n/a	Soren LG (2015-08-21)
		Alex S iPhone-2 (2015-08-21)
		Dell Laptop (2015-08-24)

❺

Interval	[Auto] [GB] [MB] [KB] Downloads	Uploads	Total Usage	% of 100 GB Cap	Projected Total
★ 2015-08-05	89.1 GB	5.7 GB	94.9 GB	94.9%	133.7 GB
2015-07-05	133.2 GB	6.9 GB	140.0 GB	140.0%	-
2015-06-05	86.2 GB	4.7 GB	90.9 GB	90.9%	🖻
2015-05-05	115.6 GB	5.0 GB	120.6 GB	120.6%	-
2015-04-05	107.3 GB	4.3 GB	111.6 GB	111.6%	-
2015-03-05	99.9 GB	5.3 GB	105.3 GB	105.3%	-
2015-02-05	125.1 GB	4.8 GB	129.9 GB	129.9%	-
2015-01-05	108.9 GB	6.2 GB	115.1 GB	115.1%	-
2014-12-05	131.8 GB	4.1 GB	135.9 GB	135.9%	-
2014-11-05	98.6 GB	5.2 GB	103.8 GB	103.8%	-
2014-10-05	86.2 GB	4.0 GB	90.2 GB	90.2%	

Monthly Utilization

Downloads Uploads Projected Usage Allowance

(graph: GB vs Month, from 2013-06 to 2015-08)

1. You can now specify the default page (see below)
2. The Traffic Summary gives an overview of the usage for the current day in the reports (and the entries are hyper-linked to the daily and monthly reports).
3. The Server stats gives an overview of the up-time, loads, etc.
4. The Devices & Groups Summary gives an overview of the number of and busiest devices & groups (these entries are hyper-linked to the daily and monthly breakdown reports)
5. The summary table & graph shows historic usage patterns. Click an entry in the `Interval` column to see the reports for that date range.

- Simply click the heading on a particular tab to set it as the default view (or see the updated Setting tab... below).

⭐ Summary Report

- The contents of the `Settings` tab have been consolidated and reformatted:

1. You can no longer override the values which are defined in your config.file
2. The previous `Unlimited data` interval is now referred to as `Bonus Data` and will (eventually) support both unlimited and capped usage values (currently just a placeholder)
3. The contents of the old ISP tab have been consolidated into this tab
4. I strongly recommend that you look at the database integration option if you are viewing the YAMon reports from several different devices.
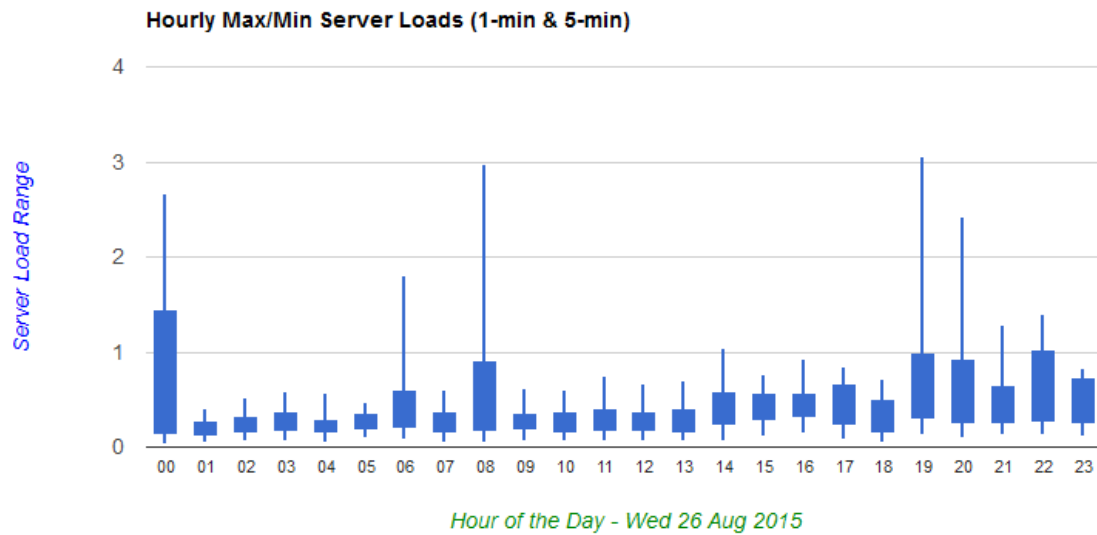
- In the `Active Connections` table (on the Live Usage tab), if you click an IP address in the 'Destination` column, I will perform a reverse geo-location lookup and return the associated organization name, city and country for that IP address. Your looked-up values will be stored in a localStorage variable on your device and added (anonymously) to a table at usage-monitoring.com. You can sync this IP information across browsers via the settings button at the top of this table

- By default, the `Active Connections` table does not show any references to internal IP addresses. You specify the whether or not to show the internal IP addresses via the Settings buttonat the top of this table and also can define the matching pattern for internal IP addresses

- Last but not least, at the bottom of the Daily Usage tab, you will find a new server loads graph which shows by hour, the min & max 1-minute and 5-minute average server loads:

Hourly Max/Min Server Loads (1-min & 5-min)

Server Load Range

Hour of the Day - Wed 26 Aug 2015

The boxes represents the range of the 5-min ave values and the lines, the range of the 1-min values.

As always, I look forward to your comments and feedback. I also **really** appreciate your paypal donations!

Thanks for your continued support,

Al