

What is claimed is:

1. A method comprising:
measuring a quantity of a plurality of physical computing resources being used over a period of time;
normalizing each measured quantity of each physical computing resource being used; and
summing the normalized measured quantities of the physical computing resources being used to generate a single usage value representative of the physical computing resources being used over the period of time.
2. The method of claim 1, wherein the plurality of physical computing resources includes a plurality of disparate physical computing resources.
3. The method of claim 1, wherein the plurality of physical computing resources includes one or more of a graphics processing system, a field programmable gate array, an application-specific integrated circuit, a system on chip, a digital signal processor, a microcontroller, or an adaptive compute acceleration platform.
4. The method of claim 3, wherein the plurality of physical computing resources include the graphics processing system, the graphics processing system including a graphics processor and graphics memory.
5. The method of claim 1, further comprising:
measuring a maximum quantity of a plurality of physical computing resources available over the period of time;
normalizing each measured maximum quantity of each available physical computing resource; and
summing the normalized measured maximum quantities of the available physical computing resources to generate a single available resource value representative of the maximum quantity of available physical computing resources over the period of time.
6. A computing network comprising:

one or more computing systems having a plurality of physical computing resources configured to execute one or more workloads;

one or more metric collectors, each metric collector having at least one metric receiver that is configured to receive a plurality of metrics from the one or more computing systems, the plurality of metrics corresponding to a usage of the physical computing resources; and

one or more analysis platforms configured to normalize each of the received metrics.

7. The computing network of claim 6, wherein the one or more analysis platforms are further configured to sum the normalized metrics to generate a single usage value.

8. The computing network of claim 6, wherein at least a portion of the physical computing resource usage is associated with one or more accounts.

9. The computing network of claim 8, wherein the one or more accounts includes a plurality of accounts and, wherein, at least one account is associated with a portion of the physical computing resource usage and at least one other account is associated with a different portion of the physical computing resource usage.

10. The computing network of claim 6, wherein at least one of the metric collectors further comprises a plugin database having one or more plugins, wherein the one or more plugins are configured to enable at least one of the metric collectors to communicate with one or more computing systems.

11. The computing network of claim 6, wherein the analysis platform is configured to generate a notification based, at least in part, on a comparison of the physical computing resource usage to a threshold.

12. The computing network of claim 6, wherein the one or more analysis platforms includes a plurality of analysis platforms, at least one of the analysis platforms being a backup analysis platform.

13. The computing network of claim 6, wherein the one or more analysis platforms are configured to activate or deactivate at least one of the metric collectors at a predetermined time.
14. The computing network of claim 6, wherein at least one of the metric collectors includes at least one of the one or more analysis platforms.
15. The computing network of claim 6, wherein the one or more metric collectors includes a plurality of metric collectors, at least one of the plurality of metric collectors being a backup metric collector.
16. The computing network of claim 6, wherein the analysis platform is further configured to determine one or more of a peak usage, a trough usage, or an average usage corresponding to each physical computing resource over the period of time based, at least in part, on the received metrics.
17. At least one computer readable storage medium having one or more instructions stored thereon, which, when executed by one or more processors, cause one or more operations to be carried out, the operations comprising:
 - measuring a quantity of a plurality of physical computing resources being used over a period of time;
 - normalizing each measured quantity of each physical computing resource being used; and
 - summing the normalized measured quantities of the physical computing resources being used to generate a single usage value representative of the physical computing resources being used over the period of time.
18. The computer readable storage medium of claim 17, wherein the plurality of physical computing resources includes a plurality of disparate physical computing resources.
19. The computer readable storage medium of claim 17, wherein the plurality of physical computing resources includes one or more of a graphics processing system, a field

programmable gate array, an application-specific integrated circuit, a system on chip, a digital signal processor, a microcontroller, or an adaptive compute acceleration platform.

20. The computer readable storage medium of claim 19, wherein the plurality of physical computing resources include the graphics processing system, the graphics processing system including a graphics processor and graphics memory.

21. The computer readable storage medium of claim 17, wherein the operations further comprise:

measuring a maximum quantity of a plurality of physical computing resources available over the period of time;

normalizing each measured maximum quantity of each available physical computing resource; and

summing the normalized measured maximum quantities of the available physical computing resources to generate a single available resource value representative of the maximum quantity of available physical computing resources over the period of time.

22. The computer readable storage medium of claim 17, wherein the operations further comprise accessing a plugin database, the plugin database including one or more plugins configured to enable the measuring of the plurality of physical computing resources of one or more computing systems.

23. The computer readable storage medium of claim 17, wherein the operations further comprise determining one or more of a peak usage, a trough usage, or an average usage corresponding to each physical computing resource over the period of time.