

CLAIMS

What is claimed is:

1. A method comprising:
 - obtaining at least one dataset that includes information corresponding to periods of
 - usage of a plurality of components within a cloud infrastructure and information corresponding
 - to usage cost for each component of the plurality of components within the cloud infrastructure;
 - comparing the information corresponding to the periods of usage of the components
 - within the cloud infrastructure with at least a portion of the information corresponding to the
 - usage cost for each component of the plurality of components within the cloud infrastructure;
 - determining a cost for one or more of the components within the cloud infrastructure
 - for a period of time based on the comparison of the information corresponding to the periods
 - of usage of the components within the cloud infrastructure with at least the portion of the
 - information corresponding to the usage cost for each component of the plurality of components
 - within the cloud infrastructure;
 - generating a visualization that comprises a plurality of objects and information
 - representative of the cost of one or more of the components within the cloud infrastructure for
 - the period of time; and
 - displaying, via a display screen, the visualization.
2. The method of claim 1, wherein obtaining at least one dataset includes:
 - obtaining a first dataset comprising information corresponding to the usage cost for
 - each component of the plurality of components within the cloud infrastructure; and
 - obtaining a second dataset comprising information corresponding to the one or more
 - periods of usage of the plurality of components within the cloud infrastructure.
3. The method of claim 2, wherein the first dataset is obtained from a cloud service
- provider and the second dataset is obtained from a user and the cost for one or more of the
- components within the cloud infrastructure for the period of time is determined as an estimated
- usage cost of one or more of the components within the cloud infrastructure.
4. The method of claim 2, wherein the first dataset is obtained from a cloud service
- provider and the second dataset is obtained from a user and the cost for one or more of the
- components within the cloud infrastructure for the period of time is determined as an estimated
- usage cost of one or more of the components within the cloud infrastructure.

5. The method of claim 1 further comprising:
receiving, via a user interface displayed via the display screen, user input effective to indicate at least one object of the plurality of objects is to be altered; and
5 altering the visualization being displayed based on the user input.
6. The method of claim 1 further comprising:
receiving, via a user interface displayed via the display screen, user input effective to select portions of the at least one dataset to be included in the visualization; and
10 filtering at least a portion of the at least one dataset, wherein the visualization is generated to only include costs corresponding to the selected portions of the at least one dataset.
7. The method of claim 1 further comprising:
receiving, via a user interface displayed via the display screen, user input effective to
15 select a function to be performed using only information that is included in one or more objects within the visualization; and
performing the function using only the information that is included in the one or more objects within the visualization.
- 20 8. A non-transitory computer-readable storage medium having computer-executable instructions stored thereon that are executable by a processor device to perform or control performance of operations comprising:
obtaining at least one dataset that includes information corresponding to periods of usage of a plurality of components within a cloud infrastructure and information corresponding
25 to usage cost for each component of the plurality of components within the cloud infrastructure;
comparing the information corresponding to the periods of usage of the components within the cloud infrastructure with at least a portion of the information corresponding to the usage cost for each component of the plurality of components within the cloud infrastructure;
determining a cost for one or more of the components within the cloud infrastructure
30 for a period of time based on the comparison of the information corresponding to the periods of usage of the components within the cloud infrastructure with at least the portion of the information corresponding to the usage cost for each component of the plurality of components within the cloud infrastructure;

generating a visualization that comprises a plurality of objects and information representative of the cost of one or more of the components within the cloud infrastructure for the period of time; and

displaying, via a display screen, the visualization.

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9. The non-transitory computer-readable storage medium of claim 8, wherein the operation obtain at least one dataset comprises:

obtaining a first dataset comprising information corresponding to the usage cost for each component of the plurality of components within the cloud infrastructure; and

10 obtaining a second dataset comprising information corresponding to the one or more periods of usage of the plurality of components within the cloud infrastructure.

10. The non-transitory computer-readable storage medium of claim 9, wherein the first dataset is obtained from a cloud service provider and the second dataset is obtained from a user
15 and the cost for one or more of the components within the cloud infrastructure for the period of time is determined as an estimated usage cost of one or more of the components within the cloud infrastructure.

11. The non-transitory computer-readable storage medium of claim 9, wherein the first
20 dataset is obtained from a cloud service provider and the second dataset is obtained from a user and the cost for one or more of the components within the cloud infrastructure for the period of time is determined as an actual usage cost of one or more of the components within the cloud infrastructure.

25 12. The non-transitory computer-readable storage medium of claim 8, the operations further comprising:

receiving, via a user interface displayed via the display screen, user input effective to indicate at least one object of the plurality of objects is to be altered; and

altering the visualization being displayed based on the user input.

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13. The non-transitory computer-readable storage medium of claim 8, the operations further comprising:

receiving, via a user interface displayed via the display screen, user input effective to select portions of the at least one dataset to be included in the visualization; and

filtering at least a portion of the at least one dataset, wherein the visualization is generated to only include costs corresponding to the selected portions of the at least one dataset.

14. The non-transitory computer-readable storage medium of claim 8, the operations
5 further comprising:

receiving, via a user interface displayed via the display screen, user input effective to select a function to be performed using only information that is included in one or more objects within the visualization; and

performing the function using only the information that is included in the one or more
10 objects within the visualization.

15. A system comprising:

a processor configured to cause performance of operations comprising:

15 obtaining at least one dataset that includes information corresponding to periods of usage of a plurality of components within a cloud infrastructure and information corresponding to usage cost for each component of the plurality of components within the cloud infrastructure;

comparing the information corresponding to the periods of usage of the
20 components within the cloud infrastructure with at least a portion of the information corresponding to the usage cost for each component of the plurality of components within the cloud infrastructure;

determining a cost for one or more of the components within the cloud infrastructure for a period of time based on the comparison of the information
25 corresponding to the periods of usage of the components within the cloud infrastructure with at least the portion of the information corresponding to the usage cost for each component of the plurality of components within the cloud infrastructure;

generating a visualization that comprises a plurality of objects and information representative of the cost of one or more of the components within the cloud
30 infrastructure for the period of time; and

displaying, via a display screen, the visualization.

16. The system of claim 15, wherein the operation obtain at least one dataset comprises:

obtaining a first dataset comprising information corresponding to the usage cost for each component of the plurality of components within the cloud infrastructure; and

obtaining a second dataset comprising information corresponding to the one or more periods of usage of the plurality of components within the cloud infrastructure.

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17. The system of claim 16, wherein the first dataset is obtained from a cloud service provider and the second dataset is obtained from a user and the cost for one or more of the components within the cloud infrastructure for the period of time is determined as an estimated usage cost of one or more of the components within the cloud infrastructure.

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18. The system of claim 16, wherein the first dataset is obtained from a cloud service provider and the second dataset is obtained from a user and the cost for one or more of the components within the cloud infrastructure for the period of time is determined as an actual usage cost of one or more of the components within the cloud infrastructure.

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19. The system of claim 15, the operations further comprising:

receiving, via a user interface displayed via the display screen, user input effective to indicate at least one object of the plurality of objects is to be altered; and
altering the visualization being displayed based on the user input.

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20. The system of claim 15, the operations further comprising:

receiving, via a user interface displayed via the display screen, user input effective to select portions of the at least one dataset to be included in the visualization; and

filtering at least a portion of the at least one dataset, wherein the visualization is
25 generated to only include costs corresponding to the selected portions of the at least one dataset.