CLAIMS

What is claimed is:

1. A method for dynamic provisioning of computing resources for an enterprise resource planning system, the method comprising:

receiving, by a server of a dynamic provisioning system, from a client device, a selection of a first plurality of computing resources for an enterprise resource planning system and stored as a first plurality of records in a resource management database, wherein the enterprise resource planning system includes an enterprise application;

allocating and deploying, by the server of the dynamic provisioning system, responsive to the selection, the first plurality of computing resources defining an original configuration for access by the client device;

receiving, by the server of the dynamic provisioning system, real-time consumption information from the enterprise resource planning system containing the original configuration as deployed, wherein the real-time consumption information includes a real-time performance measurement and a real-time capacity measurement and is stored as a second plurality of records in the resource management database;

determining, by the server of the dynamic provisioning system, a provisioning threshold associated with the original configuration as deployed and stored as a third plurality of records in the resource management database, wherein the provisioning threshold includes a predefined performance measurement and a predefined capacity measurement;

determining, by the server of the dynamic provisioning system, that the original configuration as deployed needs to be modified in response to two or more of the third plurality of records satisfying a preset relationship to two or more of the second plurality of records, wherein the server determines that the original configuration needs to be modified as deployed based on (a) actual data sourced from the enterprise application and (b) infrastructure metrics;

allocating, by the server of the dynamic provisioning system, a second plurality of resources defining a modified configuration relative to the original configuration in response to determining that original configuration as deployed needs to be modified, wherein the server allocates the second plurality of resources through an API provided by the dynamic provisioning system; and

2. deploying, by the server of the dynamic provisioning system, the modified configuration for access by the client device. The method of Claim 1, wherein the predefined performance measurement and the predefined capacity measurement are determined by analyzing historical performance information and historical consumption information associated with the original configuration.

3. The method of Claim 1, wherein the predefined performance measurement and the predefined capacity measurement are determined by analyzing a real-time performance measurement and a real-time capacity measurement associated with the original configuration.

4. The method of Claim 1, wherein the predefined performance measurement is one or more of transaction counts, rate of transactions, commit count, average downtimes, maximum downtimes, and application response times.

5. The method of Claim 1, wherein the predefined capacity measurement is one or more of system CPU usage metric, application CPU usage metric, amount of memory utilized, amount of available memory, and availability of infrastructure components.

6. A system for dynamic provisioning of computing resources for an enterprise resource planning system, the system comprising:

a resource management database;

a processor communicatively coupled to the resource management database; and

a non-transitory computer-readable medium positioned in communication with the processor and having a computer program stored thereon including a set of instructions that, when executed by the processor, cause the processor to perform operations of:

receiving, from a client device, a selection of a first plurality of computing resources for an enterprise resource planning system and stored as a first plurality of records in an resource management database, wherein the enterprise resource planning system includes an enterprise application;

allocating and deploying, responsive to the selection, the first plurality of computing resources defining an original configuration for access by the client device;

receiving real-time consumption information from the enterprise resource planning system containing the original configuration as deployed, wherein the real-time consumption information includes a real-time performance measurement and a real-time capacity measurement and is stored as a second plurality of records in the resource management database;

determining a provisioning threshold associated with the original configuration as deployed and stored as a third plurality of records in the resource management database, wherein the provisioning threshold includes a predefined performance measurement and a predefined capacity measurement;

determining that the original configuration as deployed needs to be modified in response to two or more of the third plurality of records satisfying a preset relationship to two or more of the second plurality of records, wherein determining that the original configuration needs to be modified is based on (a) actual data sourced from the enterprise application and (b) infrastructure metrics;

allocating a second plurality of resources defining a modified configuration relative to the original configuration in response to determining that original configuration as deployed needs to be modified, wherein the server allocates the second plurality of resources through an API provided by the dynamic provisioning system; and

deploying, by a dynamic provisioning system, the modified configuration for access by the client device.

7. The system of Claim 6, wherein the predefined performance measurement and the predefined capacity measurement are determined by analyzing historical performance information and historical consumption information associated with the original configuration.

8. The system of Claim 6, wherein the predefined performance measurement and the predefined capacity measurement are determined by analyzing a real-time performance measurement and a real-time capacity measurement associated with the original configuration.

9. The system of Claim 6, wherein the predefined performance measurement is one or more of transaction counts, rate of transactions, commit count, average downtimes, maximum downtimes, and application response times.

10. The system of Claim 6, wherein the predefined capacity measurement is one or more of system CPU usage metric, application CPU usage metric, amount of memory utilized, amount of available memory, and availability of infrastructure components.

11. A non-transitory computer readable storage device, storing program instructions that when executed cause a server of a dynamic provisioning system to perform a method for dynamic provisioning of computing resources for an enterprise resource planning system, the method comprising:

receiving, by the dynamic provisioning system, from a client device, a selection of a first plurality of computing resources for an enterprise resource planning system and stored as a first plurality of records in a resource management database, wherein the enterprise resource planning system includes an enterprise application;

allocating and deploying, by the dynamic provisioning system, responsive to the selection, the first plurality of computing resources defining an original configuration for access by the client device;

receiving, by the dynamic provisioning system, real-time consumption information from the enterprise resource planning system containing the original configuration as

deployed, wherein the real-time consumption information includes a real-time performance measurement and a real-time capacity measurement and is stored as a second plurality of records in the resource management database;

determining, by the dynamic provisioning system, a provisioning threshold associated with the original configuration as deployed and stored as a third plurality of records in the resource management database, wherein the provisioning threshold includes a predefined performance measurement and a predefined capacity measurement;

determining, by the dynamic provisioning system, that the original configuration as deployed needs to be modified in response to two or more of the third plurality of records satisfying a preset relationship to two or more of the second plurality of records, wherein determining that the original configuration needs to be modified is based on (a) actual data sourced from the enterprise application and (b) infrastructure metrics;

allocating, by the dynamic provisioning system, a second plurality of resources defining a modified configuration relative to the original configuration in response to determining that original configuration as deployed needs to be modified, wherein the server allocates the second plurality of resources through an API provided by the dynamic provisioning system; and

deploying, by the dynamic provisioning system, the modified configuration for access by the client device.

12. The non-transitory computer readable storage device of Claim 11, wherein the predefined performance measurement and the predefined capacity measurement are determined by analyzing historical performance information and historical consumption information associated with the original configuration.

13. The non-transitory computer readable storage device of Claim 11, wherein the predefined performance measurement and the predefined capacity measurement are determined by analyzing a real-time performance measurement and a real-time capacity measurement associated with the original configuration.

14. The non-transitory computer readable storage device of Claim 11, wherein the predefined performance measurement is one or more of transaction counts, rate of transactions, commit count, average downtimes, maximum downtimes, and application response times.

15. The non-transitory computer readable storage device of Claim 11, wherein the predefined capacity measurement is one or more of system CPU usage metric, application CPU usage metric, amount of memory utilized, amount of available memory, and availability of infrastructure components.