CLAIMS

1. A computer program product for facilitating processing within a computing environment, the computer program product comprising:

at least one computer readable storage medium readable by at least one processing circuit and storing instructions for performing a method comprising:

determining, prior to performing a plurality of reconfiguration actions to reconfigure a configuration of the computing environment, at least one estimated reconfiguration time to perform the plurality of reconfiguration actions;

performing at least one reconfiguration action of the plurality of reconfiguration actions; and

based on completion of performing the at least one reconfiguration action and the at least one estimated reconfiguration time, initiating one or more tasks prior to completing the plurality of reconfiguration actions to complete reconfiguration of the configuration.

2. The computer program product of claim 1, wherein the method further comprises:

determining a real-time completion probability score based on completion history data and actual progress of completing the plurality of reconfiguration actions;

determining a probability threshold based on a cost of rolling back at least one reconfiguration action of the plurality of reconfiguration actions; and

determining a start time for a task of the one or more tasks, based on the real-time completion probability and the probability threshold.

3. The computer program product of claim 1 or 2, wherein the task comprises a next hardware reconfiguration action to be performed or a workload processing action.

4. The computer program product of one of claims 1 to 3, wherein the determining the at least one estimated reconfiguration time includes:

obtaining a measurement from a data structure, the measurement being a measure of a time it takes to compare a current configuration and a requested configuration and a time it takes to identify the plurality of reconfiguration actions to provide the requested configuration; and

determining a time for a successful reconfiguration and a time for a rollback for the plurality of reconfiguration actions.

5. The computer program product of one of claims 1 to 4, wherein the method further comprises adjusting an estimated reconfiguration time of the at least one estimated reconfiguration time based on at least one measured reconfiguration time determined based on performing at least one reconfiguration action of the plurality of reconfiguration actions.

6. The computer program product of one of claims 1 to 5, wherein the method further includes:

obtaining a request to reconfigure the configuration of the computing environment; and

identifying, based on obtaining the request, the plurality of reconfiguration actions to be used to reconfigure the configuration.

7. The computer program product of one of claims 1 to 6, wherein the determining the at least one estimated reconfiguration time includes estimating at least one reconfiguration time for each reconfiguration action of the plurality of reconfiguration actions that are identified to be used to reconfigure the configuration.

8. The computer program product of one of claims 1 to 7, wherein the method further comprises performing the plurality of reconfiguration actions subsequent to determining the at least one estimated reconfiguration time.

9. The computer program product of one of claims 1 to 8, wherein the method further comprises measuring at least one reconfiguration time based on performing the plurality of reconfiguration actions, the measuring providing at least one measured reconfiguration time.

10. The computer program product of one of claims 1 to 9, wherein the reconfiguration comprises a hardware configuration of the computing environment.

11. A computer system for facilitating processing within a computing environment, the computer system comprising:

a memory; and

at least one processor configured to perform:

determining, prior to performing a plurality of reconfiguration actions to reconfigure a configuration of the computing environment, at least one estimated reconfiguration time to perform the plurality of reconfiguration actions;

performing at least one reconfiguration action of the plurality of reconfiguration actions; and

based on completion of performing at least one reconfiguration action and the at least one estimated reconfiguration time, initiating one or more tasks prior to completing the plurality of reconfiguration actions to complete reconfiguration of the configuration.

12. The computer system of claim 11, wherein the at least one processor is configured to further perform:

determining a real-time completion probability score based on completion history data and actual progress of completing the plurality of reconfiguration actions;

determining a probability threshold based on a cost of rolling back at least one reconfiguration action of the plurality of reconfiguration actions; and

determining a start time for a task of the one or more tasks, based on the real-time completion probability and the probability threshold.

13. The computer system of claim 11 or 12, wherein the determining the at least one estimated reconfiguration time includes:

obtaining a measurement from a data structure, the measurement being a measure of a time it takes to compare a current configuration and a requested configuration and a time it takes to identify the plurality of reconfiguration actions to provide the requested configuration; and

determining a time for a successful reconfiguration and a time for a rollback for the plurality of reconfiguration actions.

14. The computer system of one of claims 11 to 13, wherein the at least one processor is configured to further perform adjusting an estimated reconfiguration time of the at least one estimated reconfiguration time based on at least one measured reconfiguration time determined based on performing at least one reconfiguration action of the plurality of reconfiguration actions.

15. The computer system of one of claims 11 to 14, wherein the at least one processor is configured to further perform:

obtaining a request to reconfigure the configuration of the computing environment; and

identifying, based on obtaining the request, the plurality of reconfiguration actions to be used to reconfigure the configuration.

16. A computer-implemented method of facilitating processing within a computing environment, the computer-implemented method comprising:

determining, prior to performing a plurality of reconfiguration actions to reconfigure a configuration of the computing environment, at least one estimated reconfiguration time to perform the plurality of reconfiguration actions;

performing at least one reconfiguration action of the plurality of reconfiguration actions; and

based on completion of performing at least one reconfiguration action and the at least one estimated reconfiguration time, initiating one or more tasks prior to completing the plurality of reconfiguration actions to complete reconfiguration of the configuration.

17. The computer-implemented method of claim 16, further comprising:

determining a real-time completion probability score based on completion history data and actual progress of completing the plurality of reconfiguration actions;

determining a probability threshold based on a cost of rolling back at least one reconfiguration action of the plurality of reconfiguration actions; and

determining a start time for a task of the one or more tasks, based on the real-time completion probability and the probability threshold.

18. The computer-implemented method of claim 16 or 17, wherein the determining the at least one estimated reconfiguration time includes:

obtaining a measurement from a data structure, the measurement being a measure of a time it takes to compare a current configuration and a requested configuration and a time it takes to identify the plurality of reconfiguration actions to provide the requested configuration; and

determining a time for a successful reconfiguration and a time for a rollback for at least one reconfiguration action of the plurality of reconfiguration actions.

19. The computer-implemented method of one of claims 16 to 18, further comprising adjusting an estimated reconfiguration time of the at least one estimated reconfiguration time based on at least one measured reconfiguration time determined based on performing at least one reconfiguration action of the plurality of reconfiguration actions.

20. The computer-implemented method of one of claims 16 to 19, further comprising:

obtaining a request to reconfigure the configuration of the computing environment; and

identifying, based on obtaining the request, the plurality of reconfiguration actions to be used to reconfigure the configuration.