



## **CDConsole:** **Management Dynamic Web Sites**

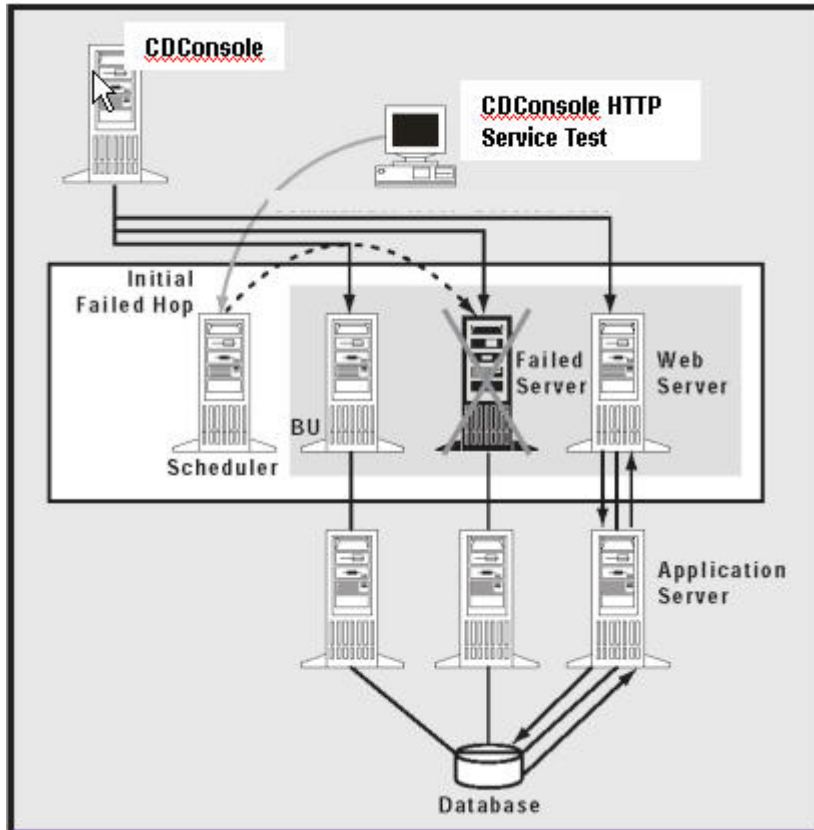
### **Overview**

CDConsole is tightly integrated with Central Dispatch, an award winning server load balancing product, currently in use at many prestigious customers, all of whom are currently coping with the challenges of providing services with 24/7 availability. CDConsole addresses the complexity of these environments, reducing administration costs, and providing end-to-end monitoring for capacity planning and troubleshooting.

### **Adding Service Level Management to Load Balancing**

Current server load balancing solutions choose a particular server simply based upon how that server responded to previous requests, using such information as the response time of the server to estimate server health. Resonate Central Dispatch provides additional insight into the health of servers by placing software agents onto the servers. The agents send status updates containing information such as the current CPU load of the server and the number of open connections on that server. Both of these techniques have proven insufficient when dependencies upon other resources in the network are critical to the ability of a particular server to satisfy a request. For example, if a web server is dependent upon a failed application server to provide a user response, then traffic should not be scheduled to that server, even though the web server is completely functional (as far as the server load balancer can determine).

With CDConsole, the health of resources such as application servers and database servers can be taken into account during the traffic management decision. This is accomplished by providing a method for automated control of the Central Dispatch configuration based upon the receipt of events, which are generated when problems are detected in back-end resources.



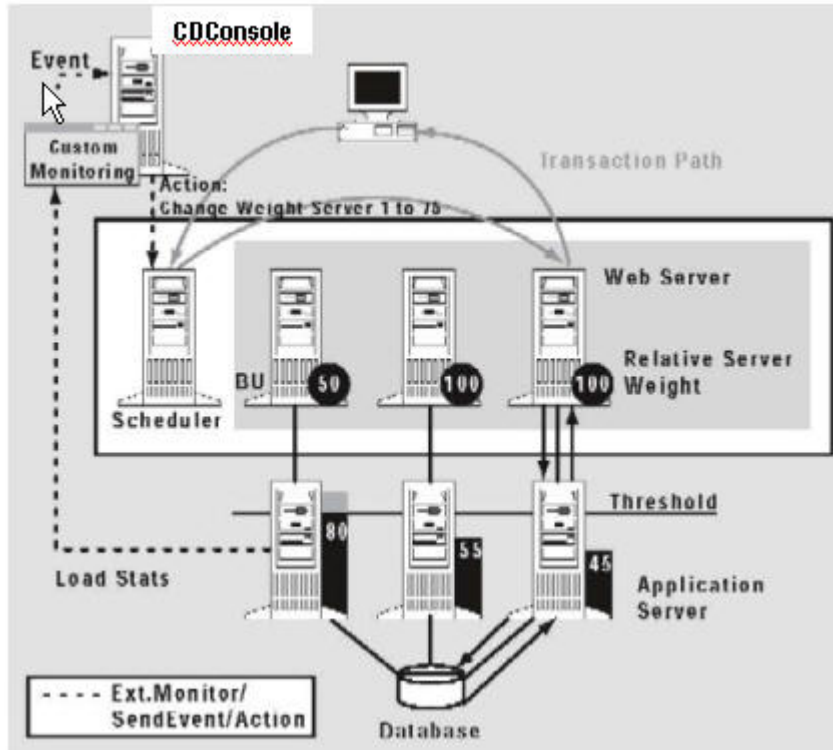
In situations where a variety of problems have occurred, both on the web server and on external resources such as a database server, Resonate's solutions were able to quickly identify and avert problems before they occurred. Some of these problems are handled completely by Central Dispatch, while others require CDConsole's multi-tier resource monitoring and control.

Using CDConsole, all of these occurrences can be handled without administrator intervention at the time of the error. The administrator simply needs to configure CDConsole to test the health of these resources and then implement rules, which specify a corrective action to take when one of these errors occurs.

### **Preventing Application Overload**

When an application server reaches its overload threshold, the corresponding web server will get less traffic, to ensure that the application server does not become overloaded. Since Resonate Central Dispatch is not clustering the application servers in this scenario, it cannot provide load balancing at that tier. However, Central Dispatch can meter requests to the overloaded application server by metering requests to the corresponding web server.

Both Central Dispatch and CDConsole are required for this solution. Since the application servers may become overloaded under different conditions, a custom application server monitoring script will need to be written by Resonate Professional Services and technical support group to determine when the server reached its load threshold.



For more information on how Resonate can help you guarantee the end-user service levels of business-critical applications while cutting operating costs, contact a sales representative at [sales@resonate.com](mailto:sales@resonate.com).

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