NAV RTC Load Balancer

What is it?

The NAV RTC Load Balancer is a project designed to distribute the user load for a NAV database over a set of NAV Service Tiers.

How does it work?

The application currently consists of two parts. The first is a set of NAV objects that internally handles the session management and determines which service to connect to. The second is a .NET wrapper that calls a web service in NAV, updates the user configuration file, and launches the NAV executables.

How do you install it?

Server side installation

1) Import the objects into the NAV database.
2) The NAV RTC Load Balancer Codeunit contains a function to add services to this table. You can write your own code to call this function, or alternatively make the fields in the table editable.
3) Expose the NAV RTC Load Balancer Codeunit as a Web Service

Client side installation

1) Add the following key value pair to the ClientUserSettings.config file:
   `<add key="Load Balancer WS" value="address to your exposed web service from step 3 above" />`

2) Copy the .exe and .dll files from NAVLoadBalancer\NAVLoadBalancer\bin\Debug\ to a new Load Balancer folder in your NAV install path, typically something like C:\Program Files (x86)\Microsoft Dynamics NAV\60\Load Balancer
3) Use the NAV Wrapper.exe to launch NAV instead of the default icon / shortcut.

Important Notes

If anything, this should be categorized as an Alpha release. Although it is currently running on a large amount of client machines, there are still problems with it. It doesn't work on every machine I've tested it on and the sessions don't always get deleted from the custom RTC Session table in NAV. There are still plenty of bugs.

I would like to turn this into a community project as I see a lot of potential for it. Used in combination with some of the other Service Tier Management tools I think it could become a great download. So that said, if you want to update the code or modify it in any way, please feel free. I only ask that you send any changes to me so that I can properly update and merge those changes. I will of course include notes of your changes and give credit where credit is due. You can send them to Matt.Traxinger@gmail.com. I will also continue to update the project in my spare time. You can also post suggestions for improvements to the forums thread on the download.