# Testing

**Basic Functionality**

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| # | **Condition** | **Expected Results** | **Results** |
| 1 | Forward to the correct port and address from correct address and port | Pass | Pass |
| 2 | Forward to an incorrect address and port from a existing address and port | Fail | Fail |
| 3 | Forward to an incorrect address/port from an incorrect address/port | Fail | Fail |
| 4 | Test Multiple Connections simultaneously | Pass | Pass |
| 5 | Test Multiple Connections with 1 non-existing configuration simultaneously | 1 connection should Fail | Fail |
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**Stress Testing**

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| # | **Condition** | **Expected Results** | **Results** |
|  | 10 connections |  |  |
|  | 100 connections |  |  |
|  | 1000 connections |  |  |
|  | 3000 connections |  |  |
|  | 5000 connections |  |  |
|  | 7000 connections |  |  |
|  | 8000 connections |  |  |