Feedback-based Optimization of a Private Cloud

November 9, 2010

1 case 1

rules:

- if cpu-0/cpu-idle.value < '40' for 4 min then vote to grow array
- if cpu-0/cpu-idle.value > '50' for 1 min then vote to shrink array
- Rest Period: 5 minutes,
- Decision Threshold: 51
- Increase Value: 1
- Decrease Value: 1

2 case 2

rules:

- if cpu-0/cpu-idle.value < '30' for 3 min then vote to grow array
- if cpu-0/cpu-idle.value > '35' for 3 min then vote to shrink array
- Rest Period: 2 minutes,
- Decision Threshold: 66
- Increase Value: 2
- Decrease Value: 1

3 case 3

rules:

- if cpu-0/cpu-idle.value < '30' for 2 min then vote to grow array
- if cpu-0/cpu-idle.value > '60' for 1 min then vote to shrink array
- Rest Period: 10 minutes,
- Decision Threshold: 66
- Increase Value: 1
- Decrease Value: 2











