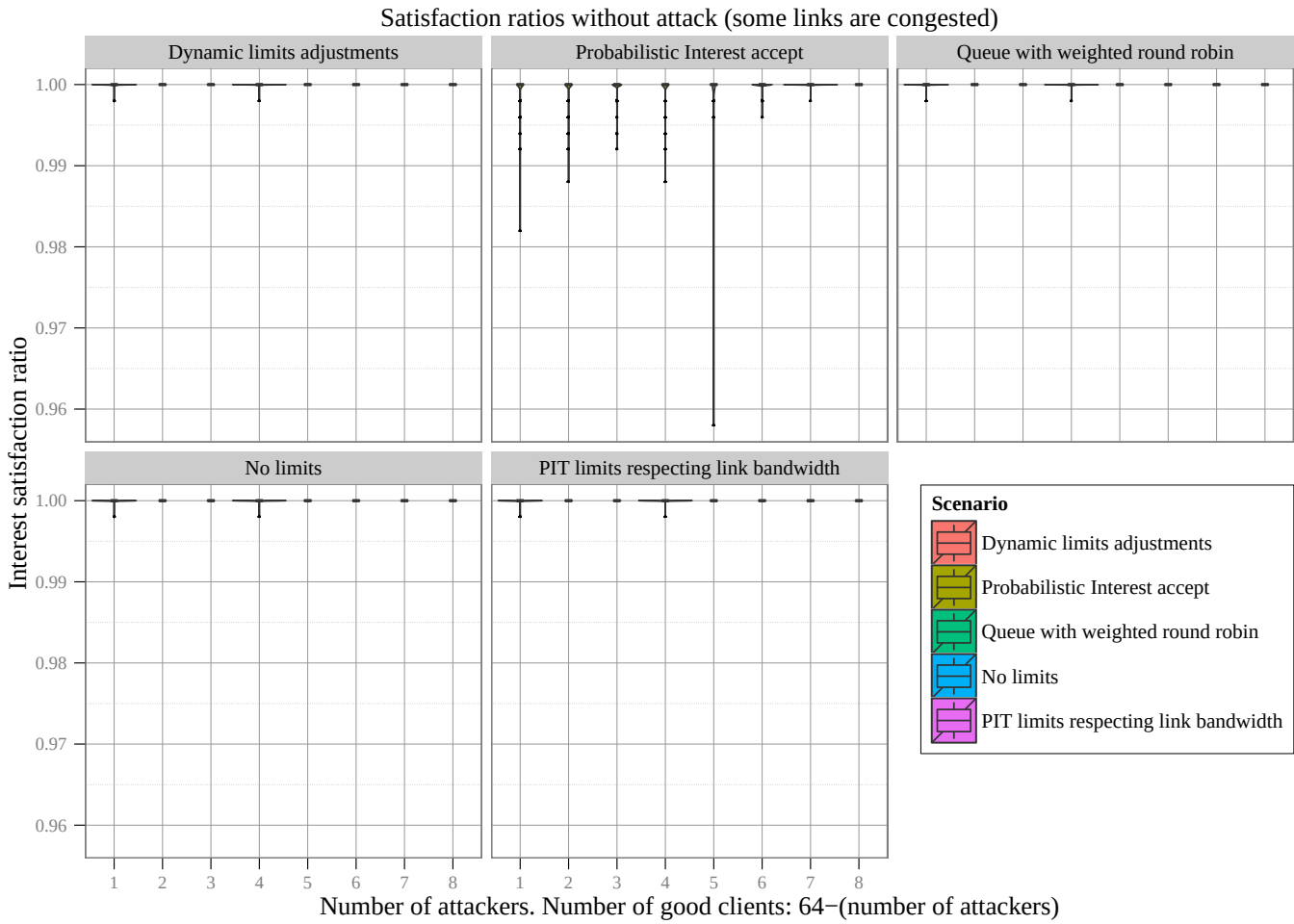
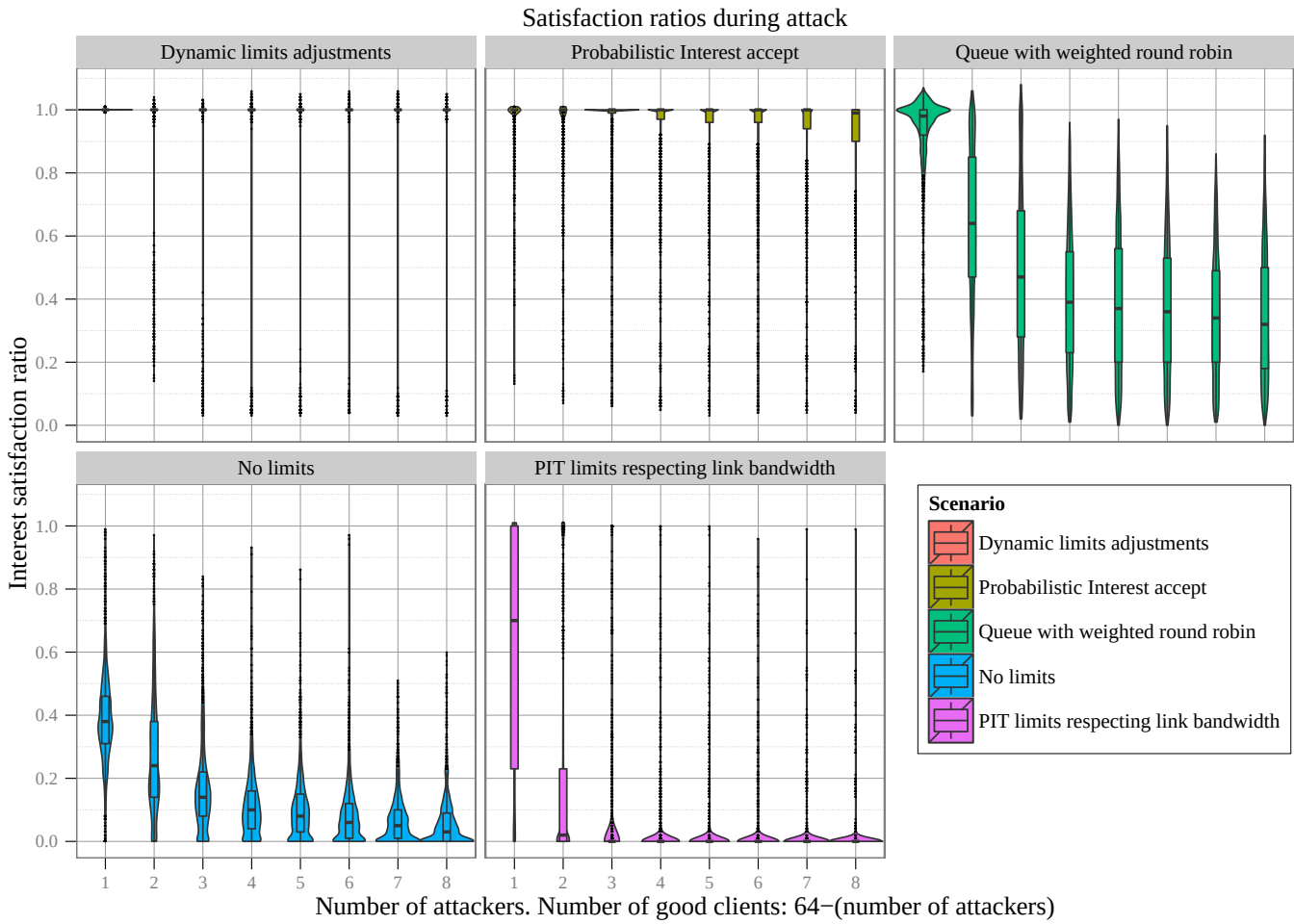
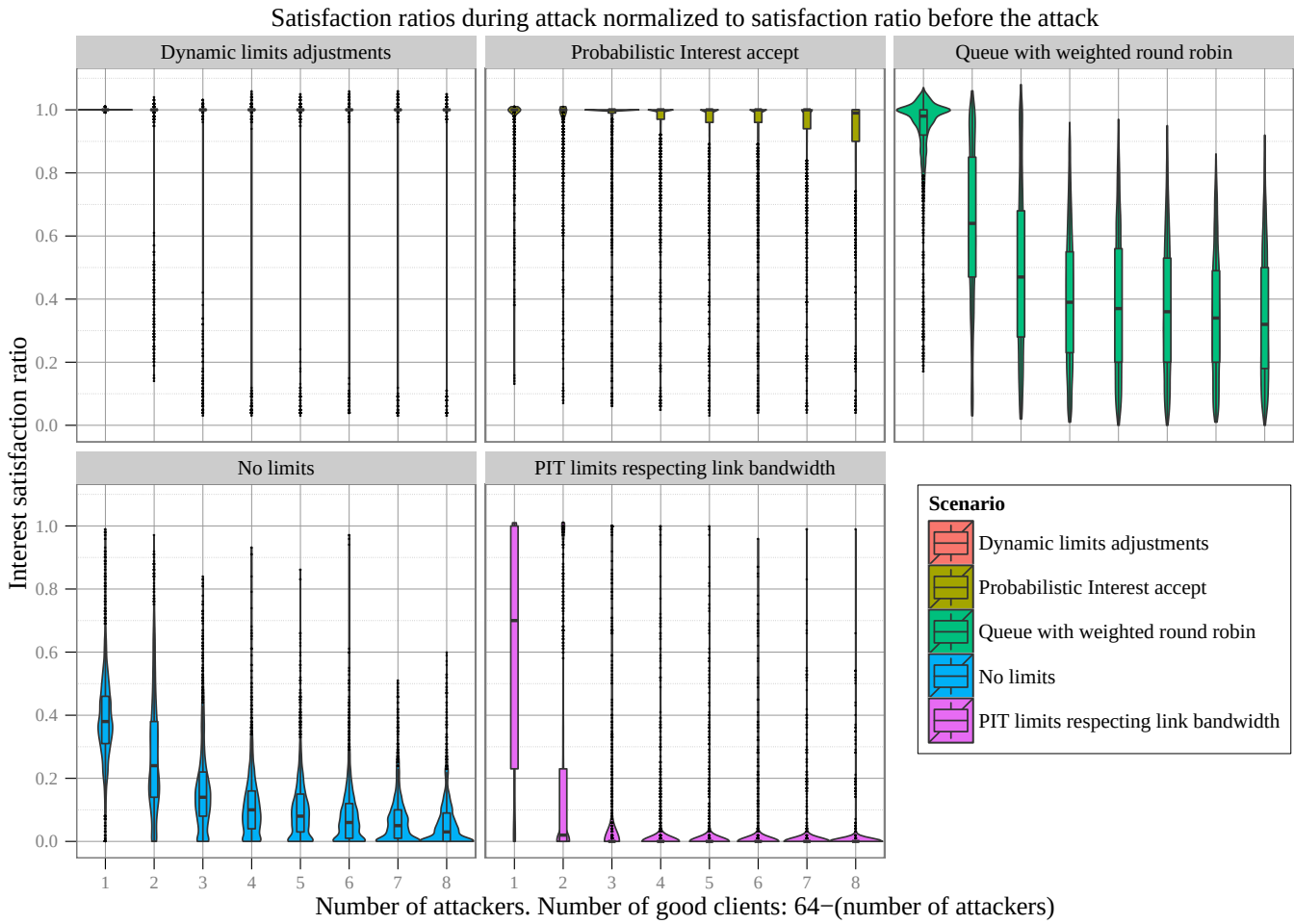
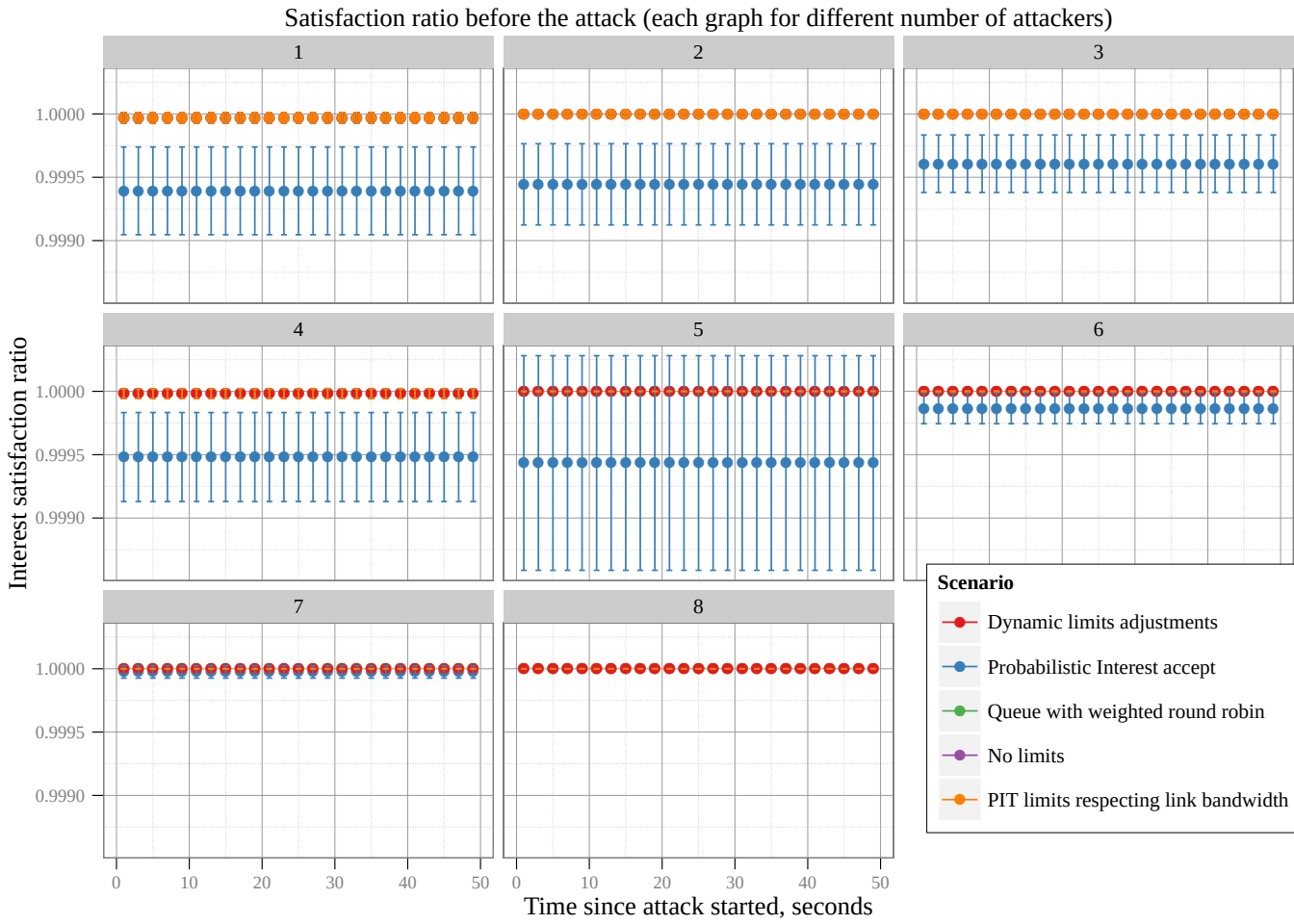
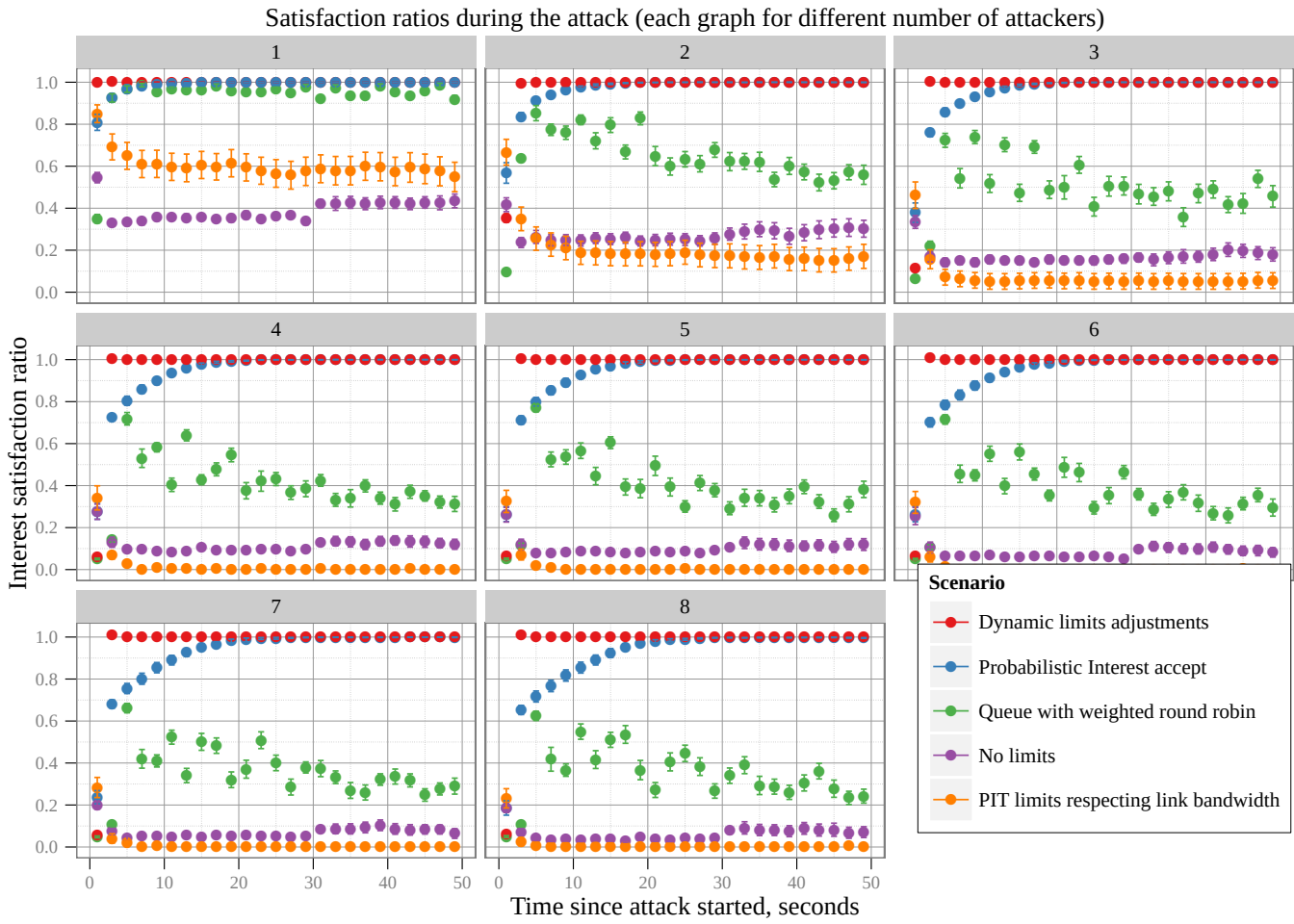
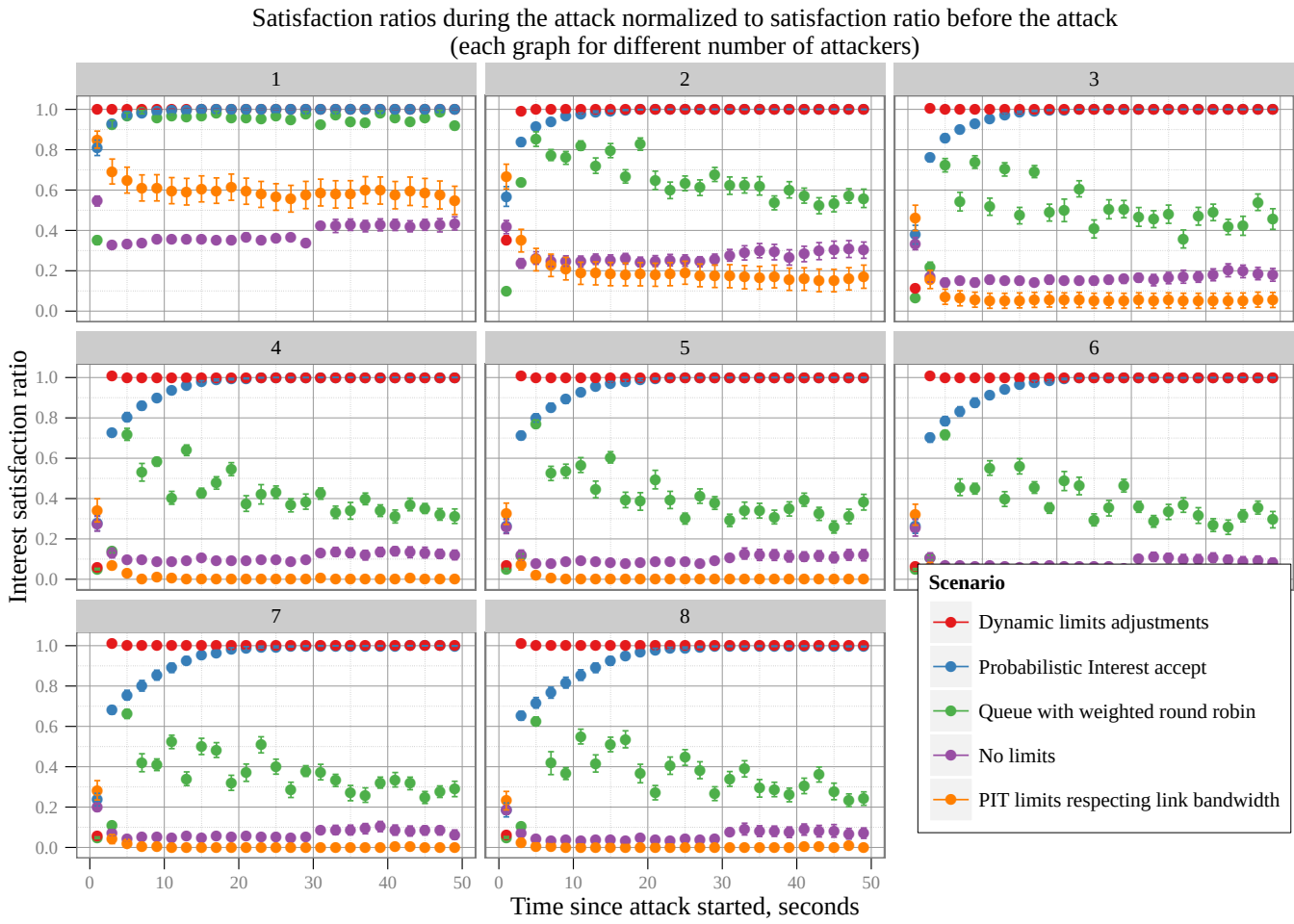

Satisfaction ratios without attack (some links are congested)
Dynamic limits adjustments
Probabilistic Interest accept
Queue with weighted round robin
No limits
PIT limits respecting link bandwidth
Interest satisfaction ratio
1.00
0.99
0.98
0.97
0.96
1
2
3
4
5
6
7
8
Number of attackers. Number of good clients: 64−(number of attackers)
Scenario
Dynamic limits adjustments
Probabilistic Interest accept
Queue with weighted round robin
No limits
PIT limits respecting link bandwidth


Satisfaction ratios during attack
Dynamic limits adjustments
Probabilistic Interest accept
Queue with weighted round robin
No limits
PIT limits respecting link bandwidth
Interest satisfaction ratio
0.0
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5
6
7
8
Number of attackers. Number of good clients: 64−(number of attackers)
Scenario
Dynamic limits adjustments
Probabilistic Interest accept
Queue with weighted round robin
No limits
PIT limits respecting link bandwidth


Satisfaction ratios during attack normalized to satisfaction ratio before the attack
Dynamic limits adjustments
Probabilistic Interest accept
Queue with weighted round robin
No limits
PIT limits respecting link bandwidth
Interest satisfaction ratio
0.0
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5
6
7
8
Number of attackers. Number of good clients: 64−(number of attackers)
Scenario
Dynamic limits adjustments
Probabilistic Interest accept
Queue with weighted round robin
No limits
PIT limits respecting link bandwidth


Satisfaction ratio before the attack (each graph for different number of attackers)
1
2
3
4
5
6
7
8
1.0000
0.9995
0.9990
Interest satisfaction ratio
0
10
20
30
40
50
Time since attack started, seconds
Scenario
Dynamic limits adjustments
Probabilistic Interest accept
Queue with weighted round robin
No limits
PIT limits respecting link bandwidth


Satisfaction ratios during the attack (each graph for different number of attackers)
1
2
3
4
5
6
7
8
Interest satisfaction ratio
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
50
Time since attack started, seconds
Scenario
Dynamic limits adjustments
Probabilistic Interest accept
Queue with weighted round robin
No limits
PIT limits respecting link bandwidth


Satisfaction ratios during the attack normalized to satisfaction ratio before the attack
(each graph for different number of attackers)
1
2
3
4
5
6
7
8
Interest satisfaction ratio
Time since attack started, seconds
Scenario
Dynamic limits adjustments
Probabilistic Interest accept
Queue with weighted round robin
No limits
PIT limits respecting link bandwidth