

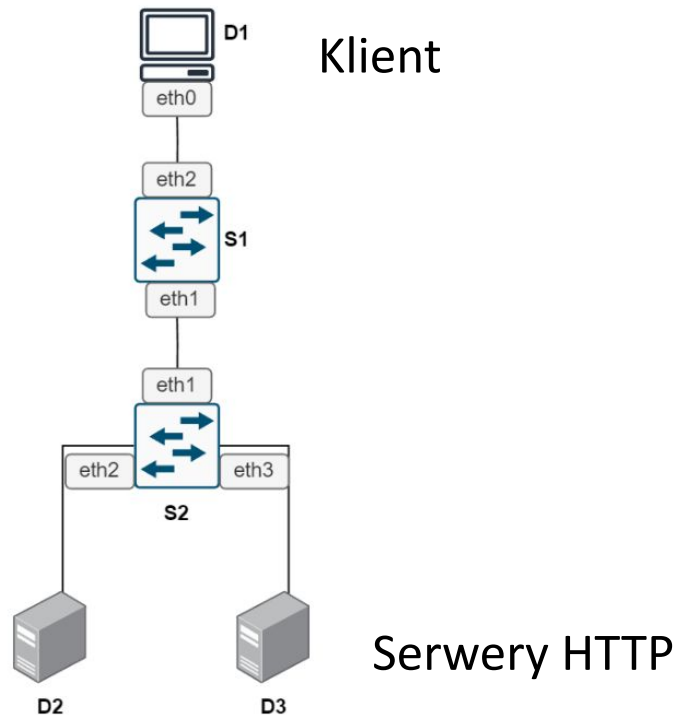
Zastosowanie sterownika SDN jako load balancer'a przy użyciu algorytmu weighted round robin

Jan Ściga, Maksymilian Kowalik, Kamil Łukasik, Wiktor Tekiela, Marcin Karcz

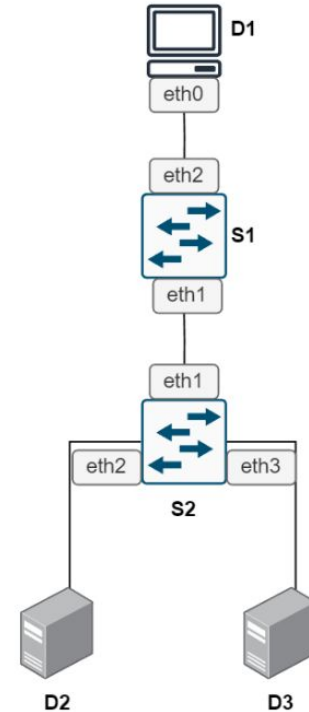
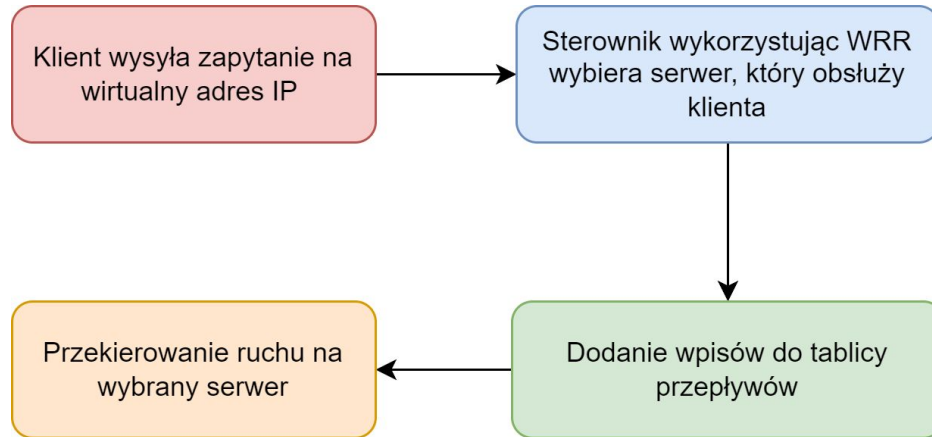
Plan prezentacji:

- Topologia
- Algorytm Weighted Round Robin
- Analiza wydajności
- Demo
- Literatura

Topologia



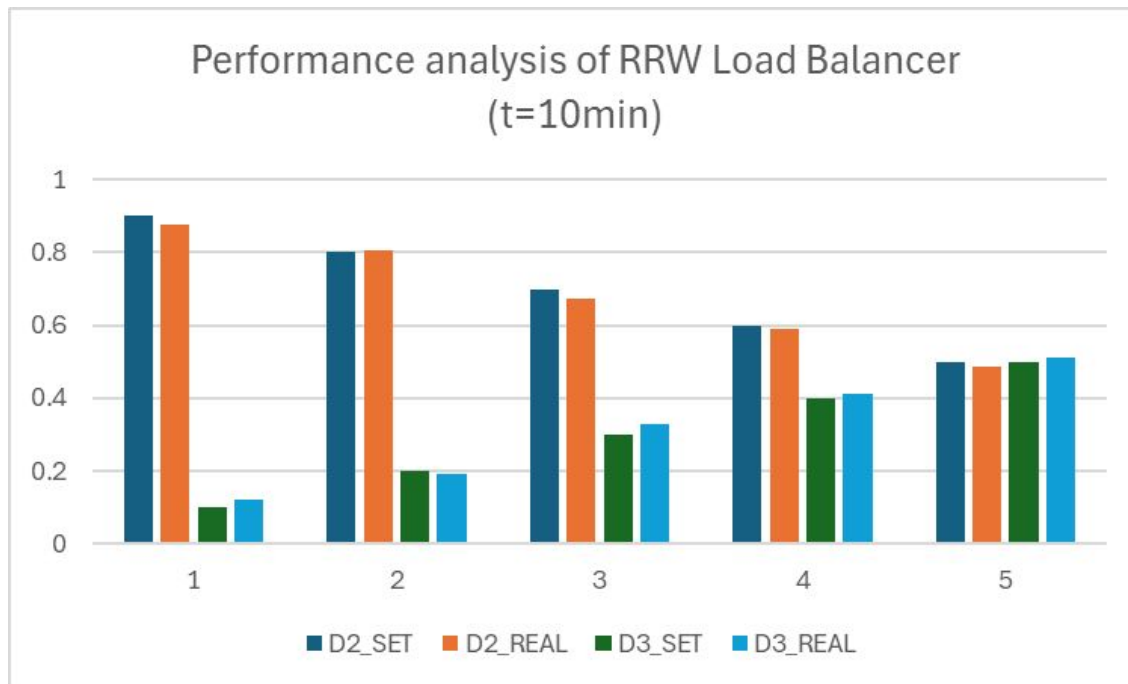
Algorytm Weighted Round Robin



Klient

Serwery HTTP

Analiza wydajności



Demo

Dziękujemy za uwagę!

Literatura:

- <https://floodlight.atlassian.net/wiki/spaces/floodlightcontroller/pages/7995427/How+to+Work+with+Fast-Failover+OpenFlow+Groups#HowtoWorkwithFast-FailoverOpenFlowGroups-ResourceAllocation>
- <https://floodlight.github.io/floodlight/javadoc/floodlight/net/floodlightcontroller/loadbalancer/LoadBalancer.html>
- <https://floodlight.atlassian.net/wiki/spaces/floodlightcontroller/pages/1343617/Load+Balancer>
- <https://ieeexplore-1ieee-1org-100004704014b.wbg2.bg.agh.edu.pl/document/9725862>
- <https://ieeexplore.ieee.org/document/8740366>
- <https://ieeexplore.ieee.org/document/9731290>
- <https://ieeexplore.ieee.org/document/7737208>