

Storage

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Parâmetros

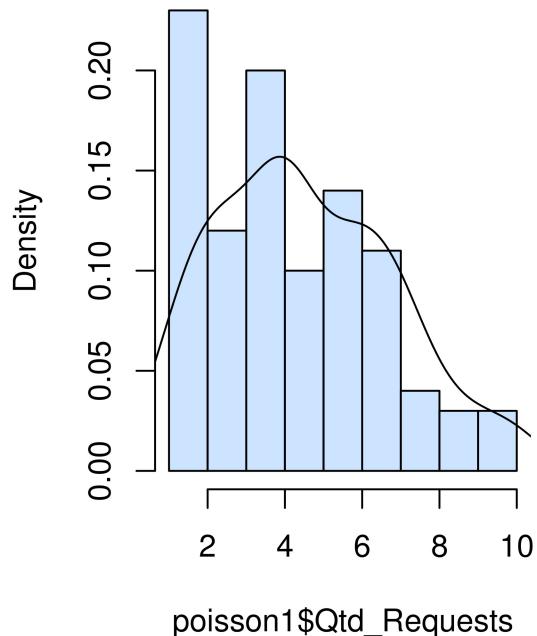
Parâmetros	Valores
alfa zipf	0.8
lambda	5
n	100
beta	0.2
BS	32
Cache	100
UE	200
Storage	MBS: 10/20/30/40/50/60GB - SBS: 4/6/8/10/12GB
Coverage	MBS 300 SBS 70
RTT inicial	CS/MBS 0.001s(1ms) MBS/MBS 0.001s(1ms) MBS/SBS 0.001s(1ms) SBS/UE 0.001s(1ms)
Tempo da Requisição	10 eventos
Mobilidade	10m

Informações da Aplicação.

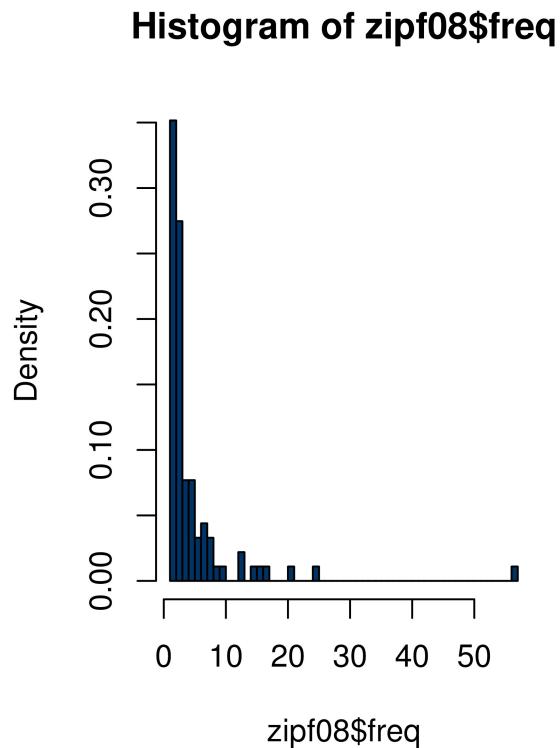
Vazão Mínima	Tamanho da Cache	Buffer
100 Mbps	2GB/2000MB	48Mb
100 Mbps	4GB/4000MB	48Mb
100 Mbps	8GB/8000MB	48Mb

Distribuição das Requisições.

Histogram of poisson1\$Qtd_Requests



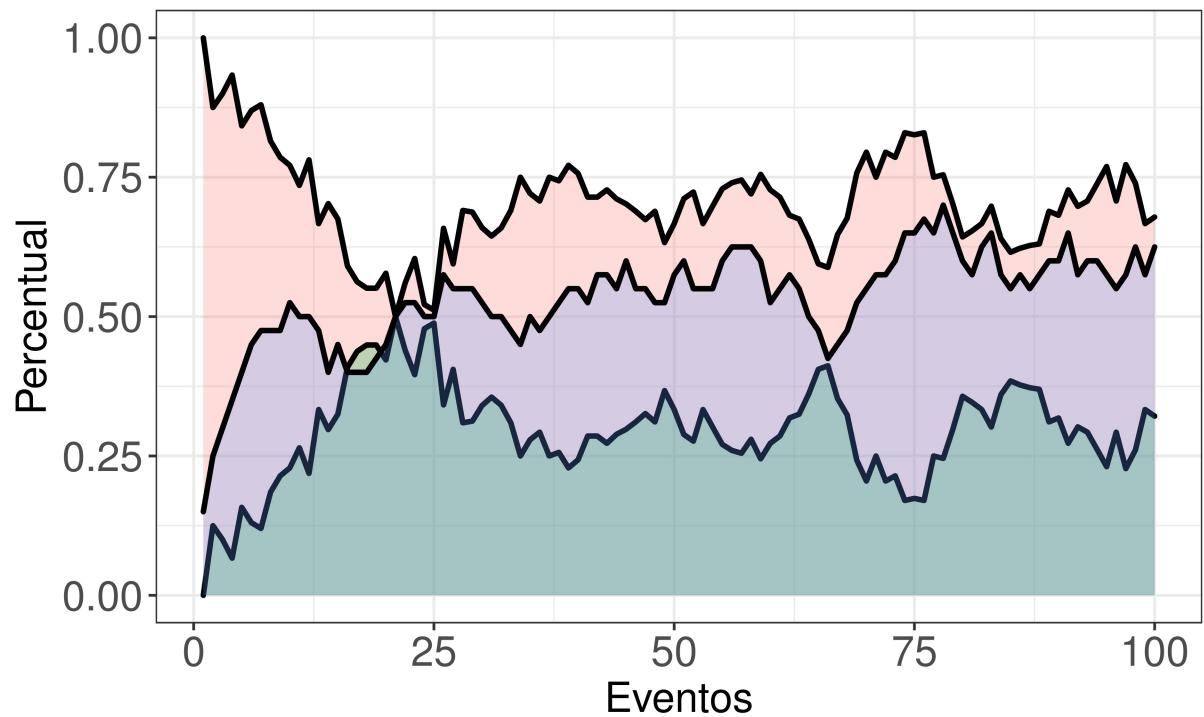
Distribuição de popularidade do conteúdo solicitado.



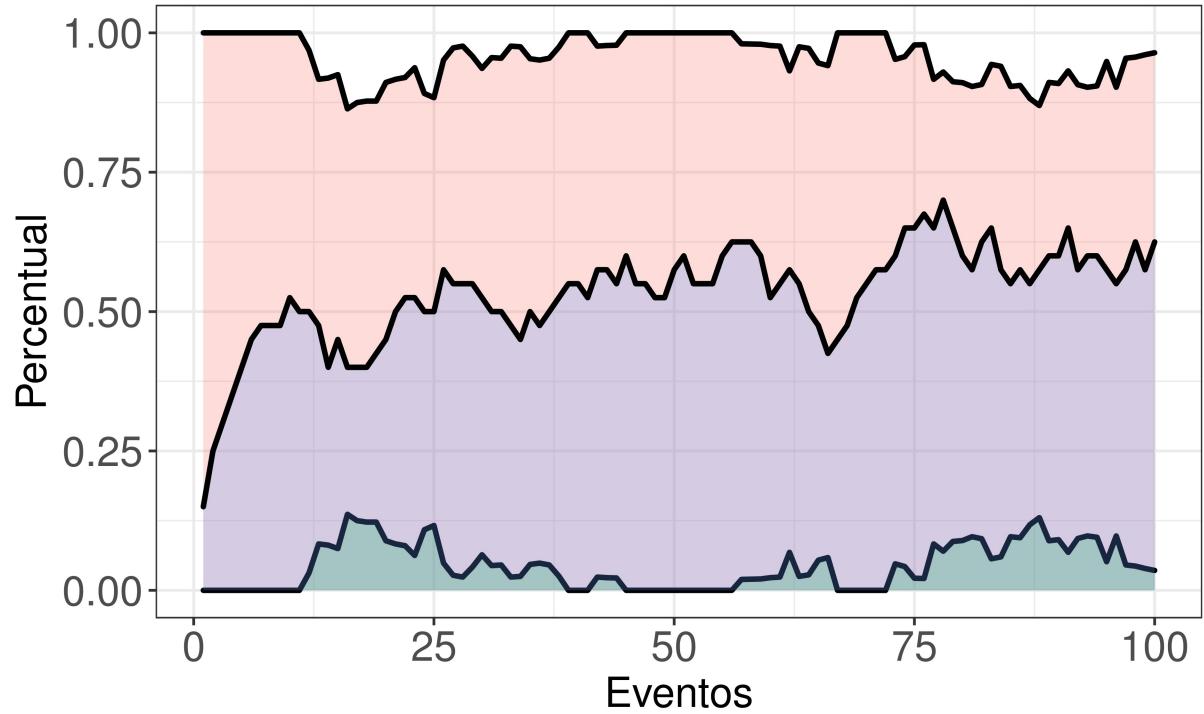
Cache, Cloud e Storage.

```
## Saving 6.5 x 4.5 in image
```

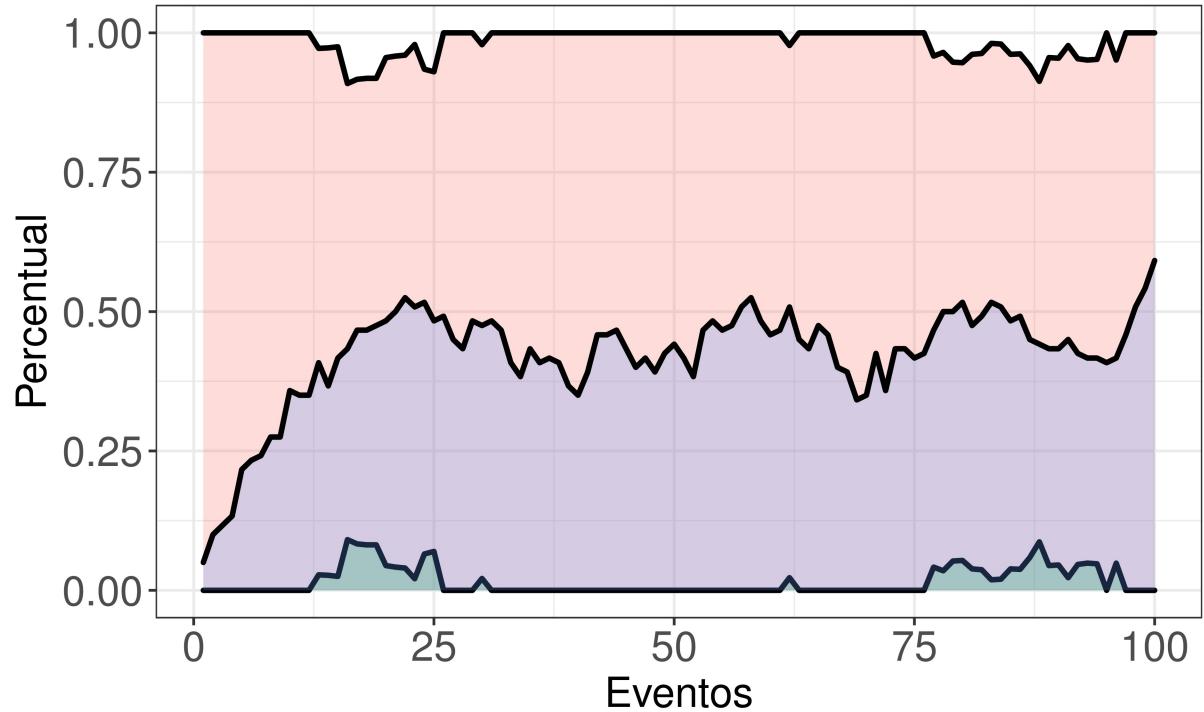
Cache Hit Cache Miss Uso do Armazenamento



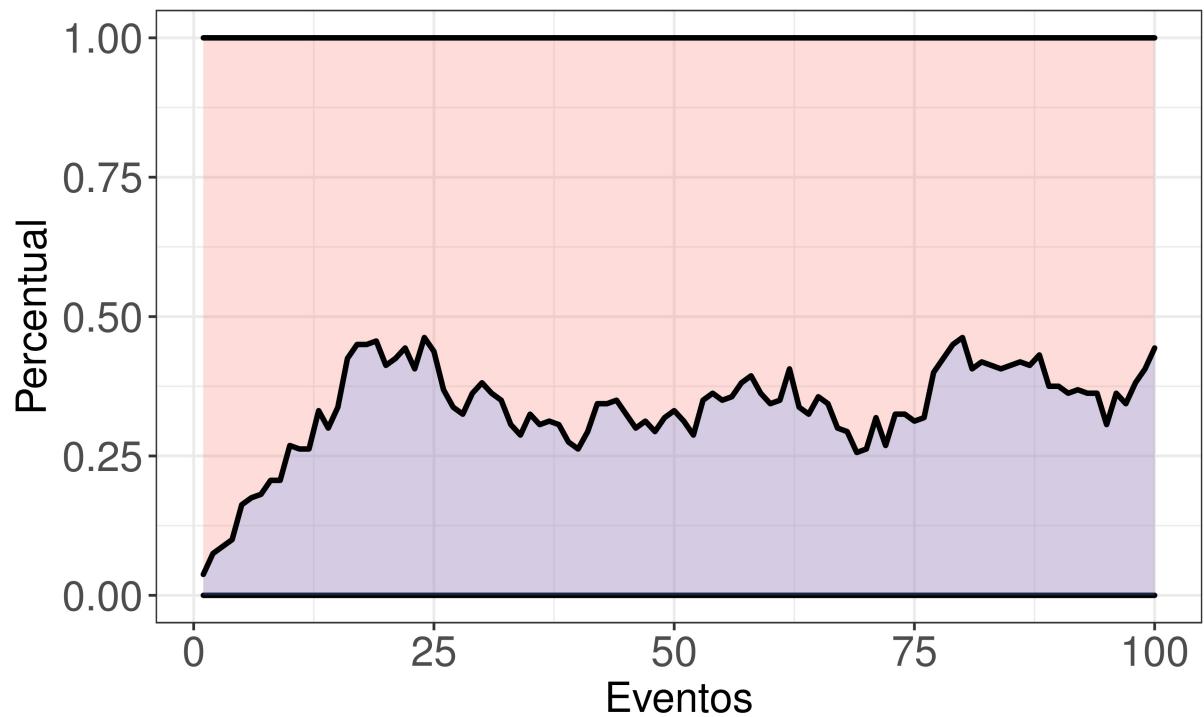
Cache Hit Cache Miss Uso do Armazenamento

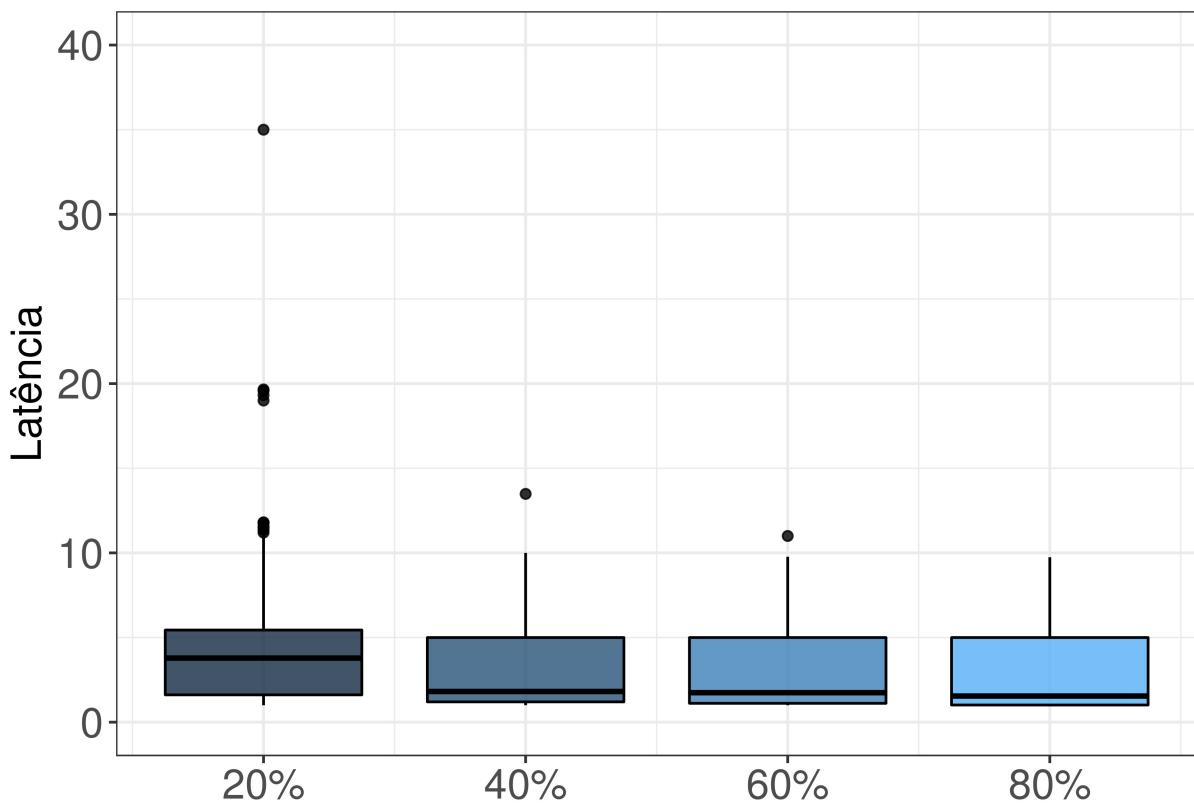


Cache Hit Cache Miss Uso do Armazenamento



Cache Hit Cache Miss Uso do Armazenamento





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```

Correlação entre proporções e variação da capacidade.

```
## [1] "Storage Load"
## [1] NA
## [1] "Cache Hit"
## [1] 0.782969
## [1] "Cache Miss"
## [1] -0.782969
```

Correlação entre a latência e variação da capacidade.

```
## [1] -0.2156257
##      Min. 1st Qu. Median   Mean 3rd Qu.   Max.
## 1.000   1.614   3.786   3.868   5.443  35.000
```

```

##      0%     25%     50%     75%    100%
## 1.000  1.614  3.786  5.443 35.000

## 95%
## 7.329

##   Min. 1st Qu. Median   Mean 3rd Qu.   Max.
## 1.000 1.200 1.814 2.921 5.000 13.486

##      0%     25%     50%     75%    100%
## 1.000 1.200 1.814 5.000 13.486

## 95%
## 7

##   Min. 1st Qu. Median   Mean 3rd Qu.   Max.
## 1.000 1.114 1.743 2.761 5.000 11.000

##      0%     25%     50%     75%    100%
## 1.000 1.114 1.743 5.000 11.000

## 95%
## 5.943

##   Min. 1st Qu. Median   Mean 3rd Qu.   Max.
## 1.000 1.014 1.543 2.558 5.000 9.743

##      0%     25%     50%     75%    100%
## 1.000 1.014 1.543 5.000 9.743

## 95%
## 5.986

```

Máximos

```

## [1] 0.5

## [1] 0.5

## [1] 0.7

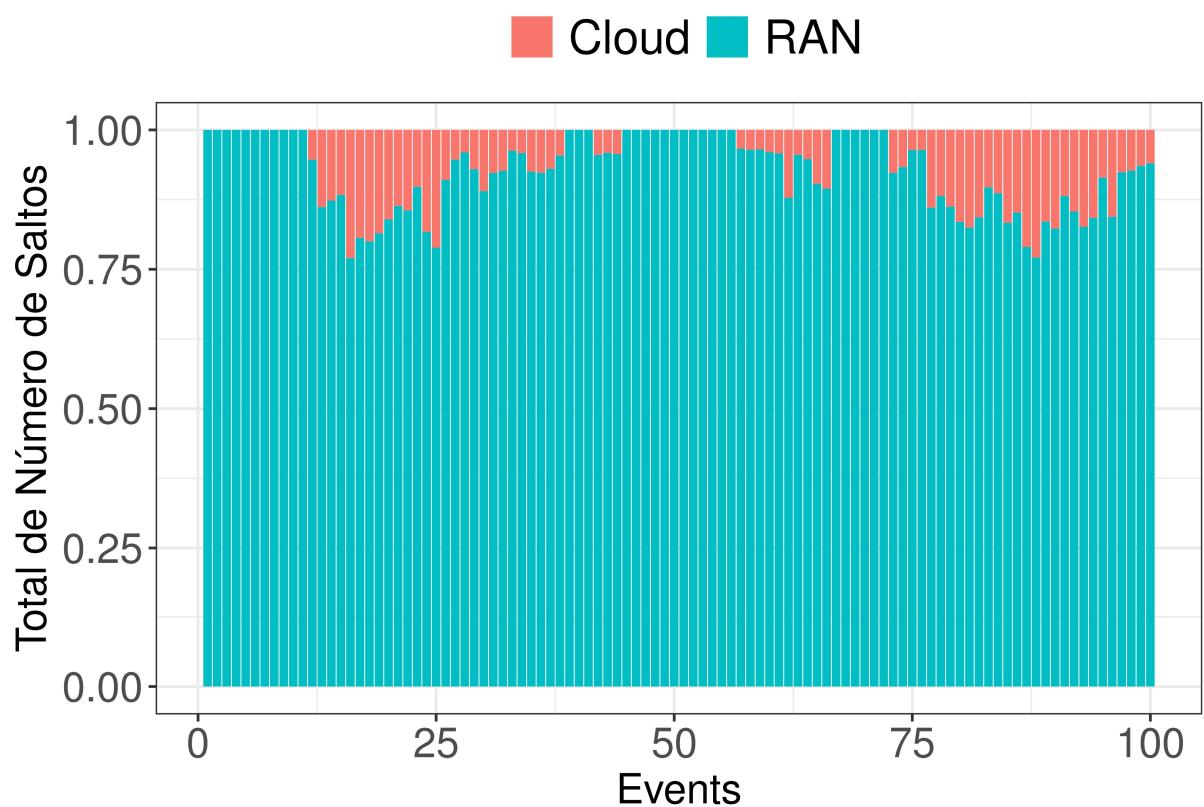
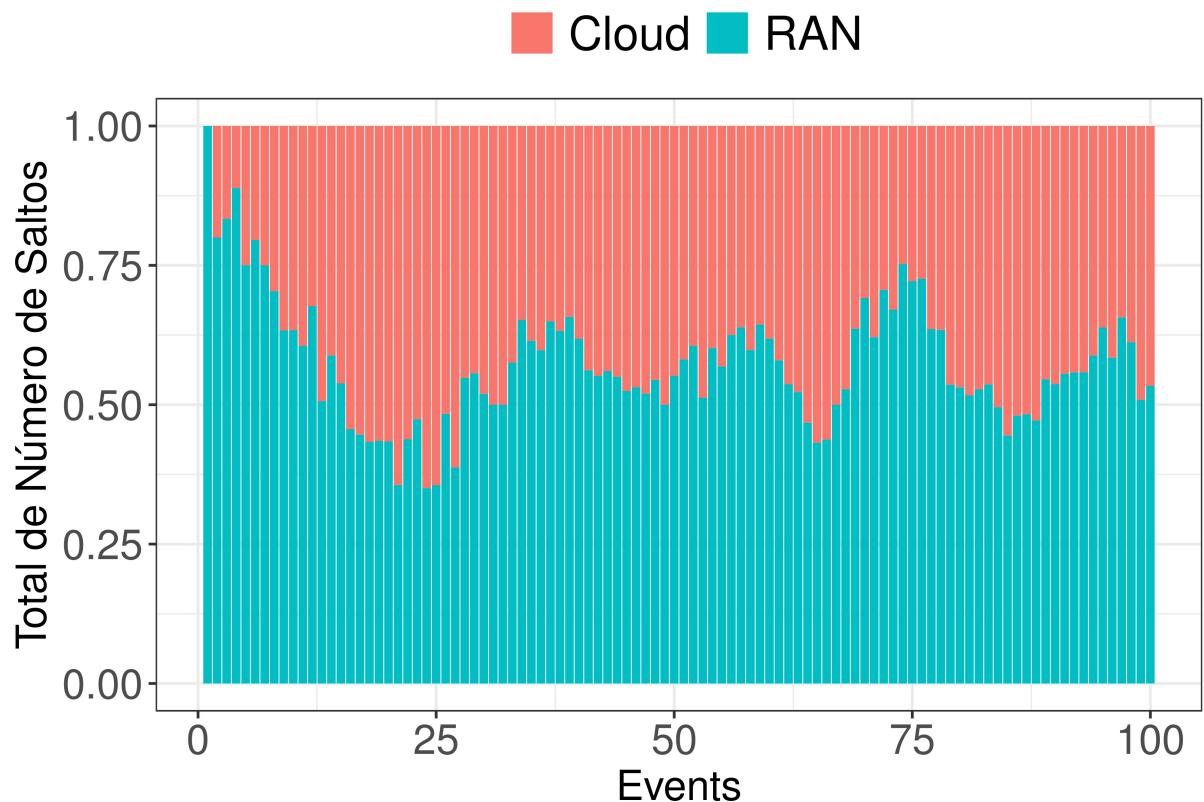
## [1] 0

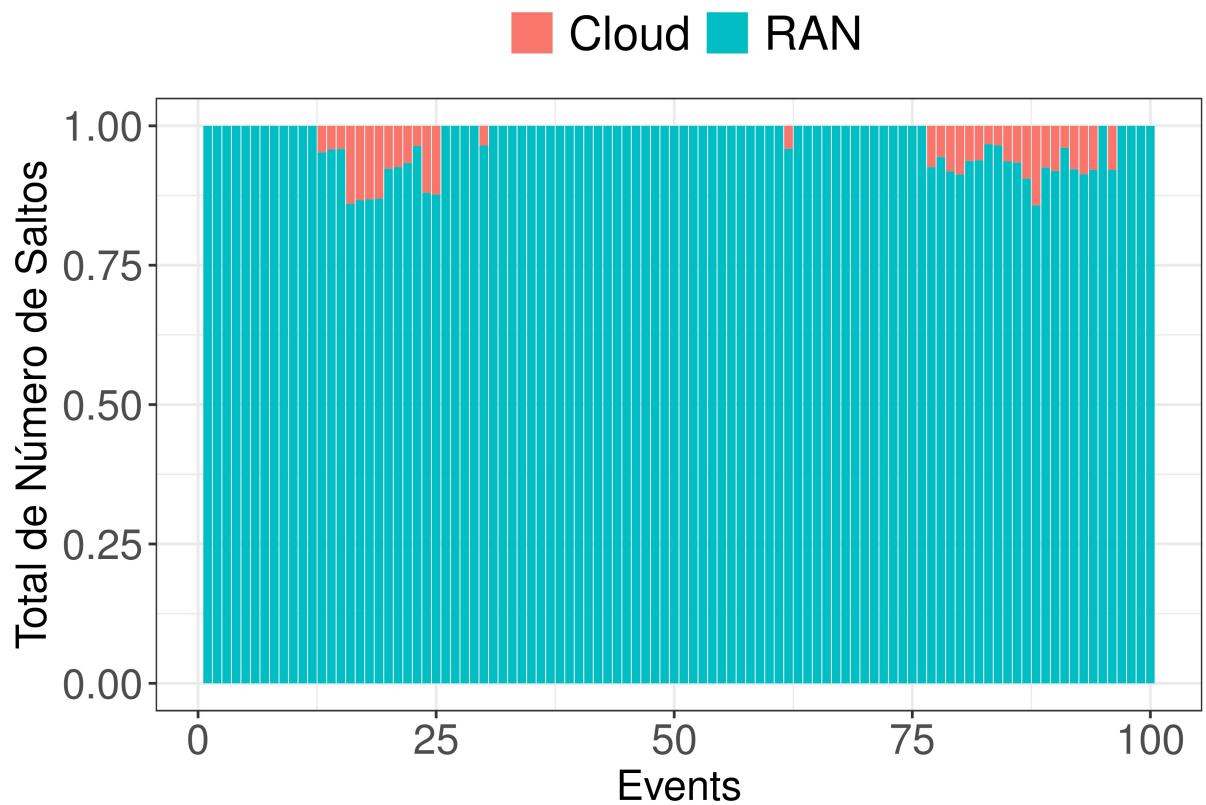
## [1] 1

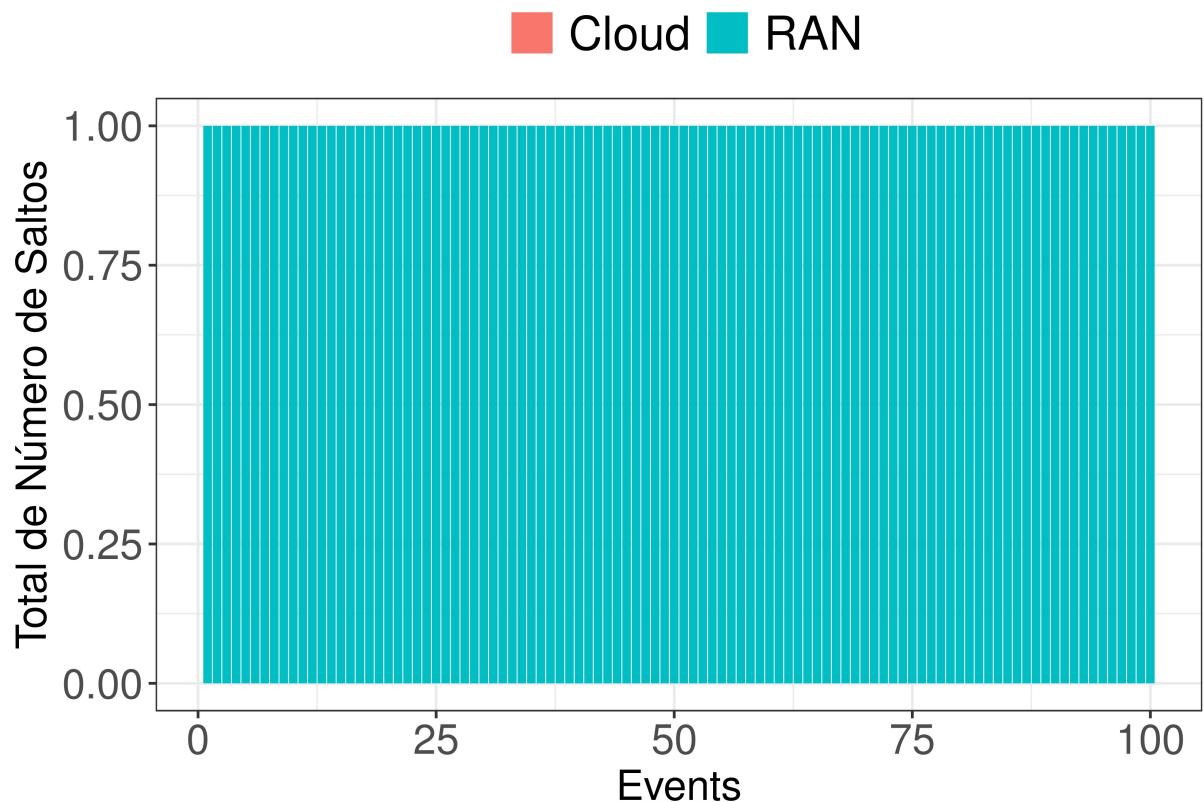
## [1] 0.4625

```

Somatório de Saltos por Evento - Fronthaul vs Backhaul

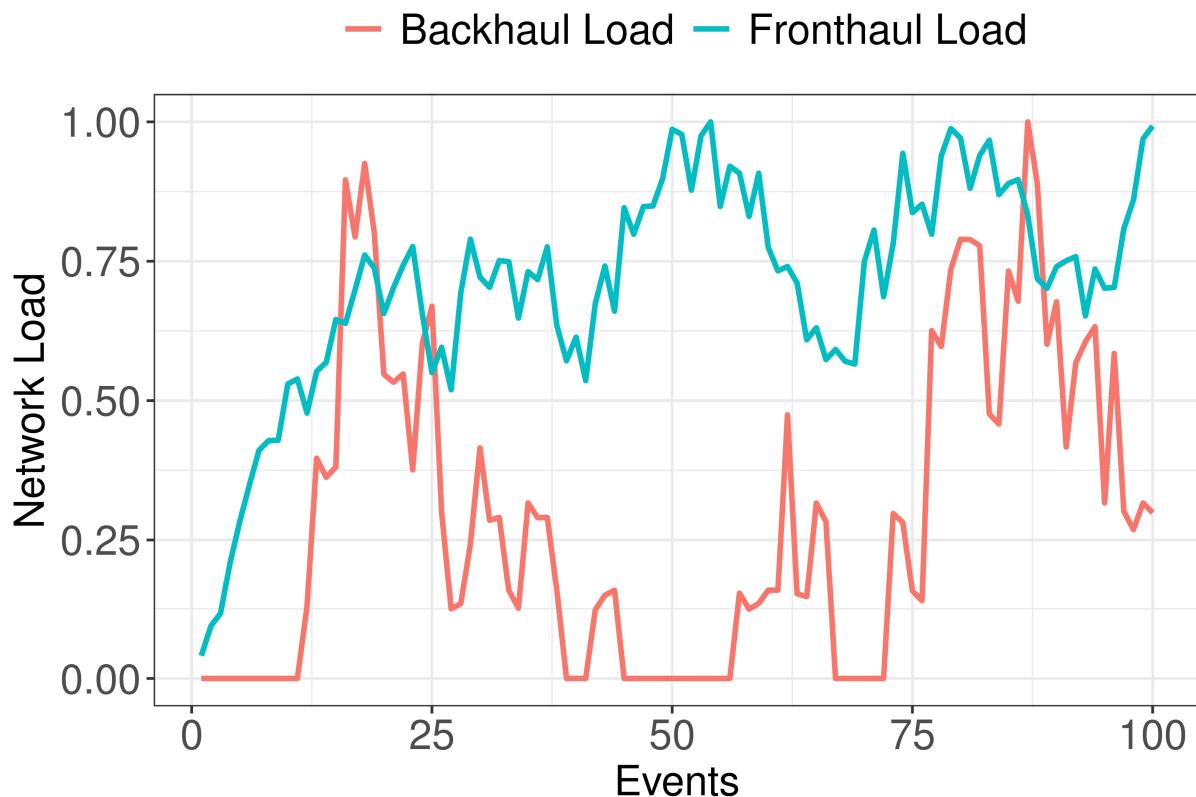
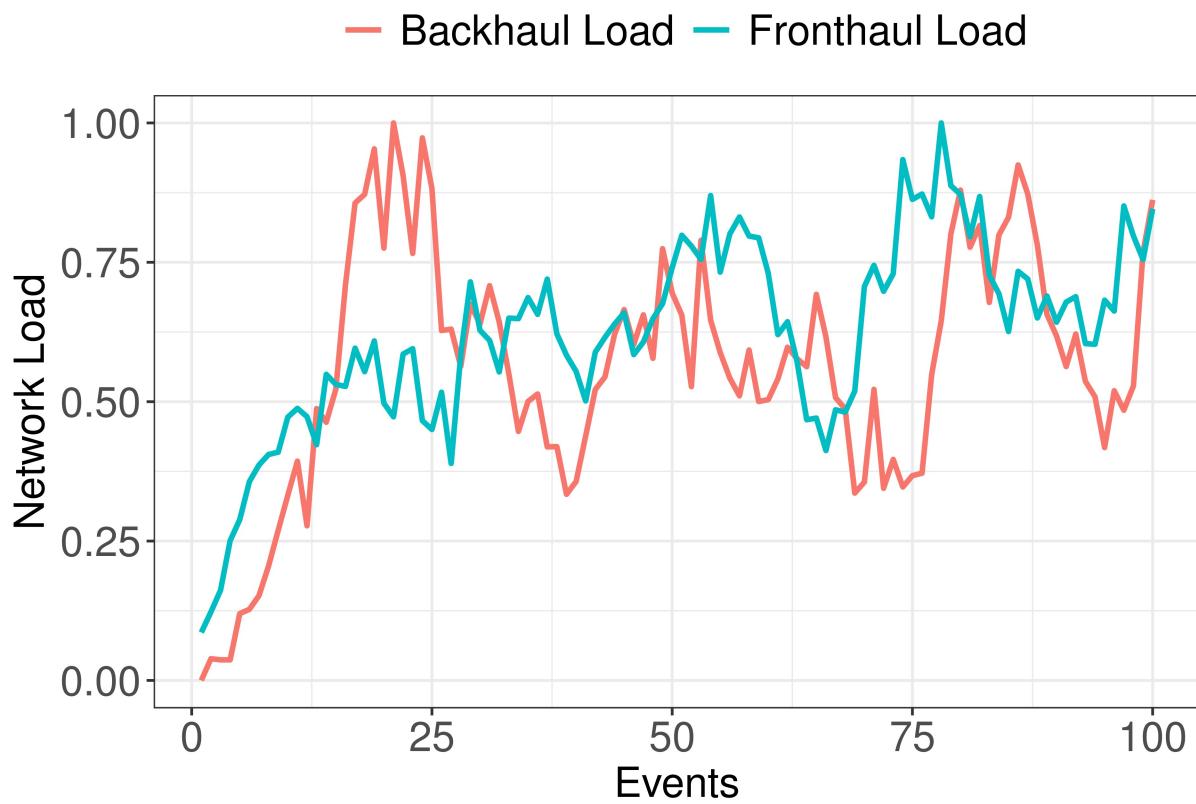


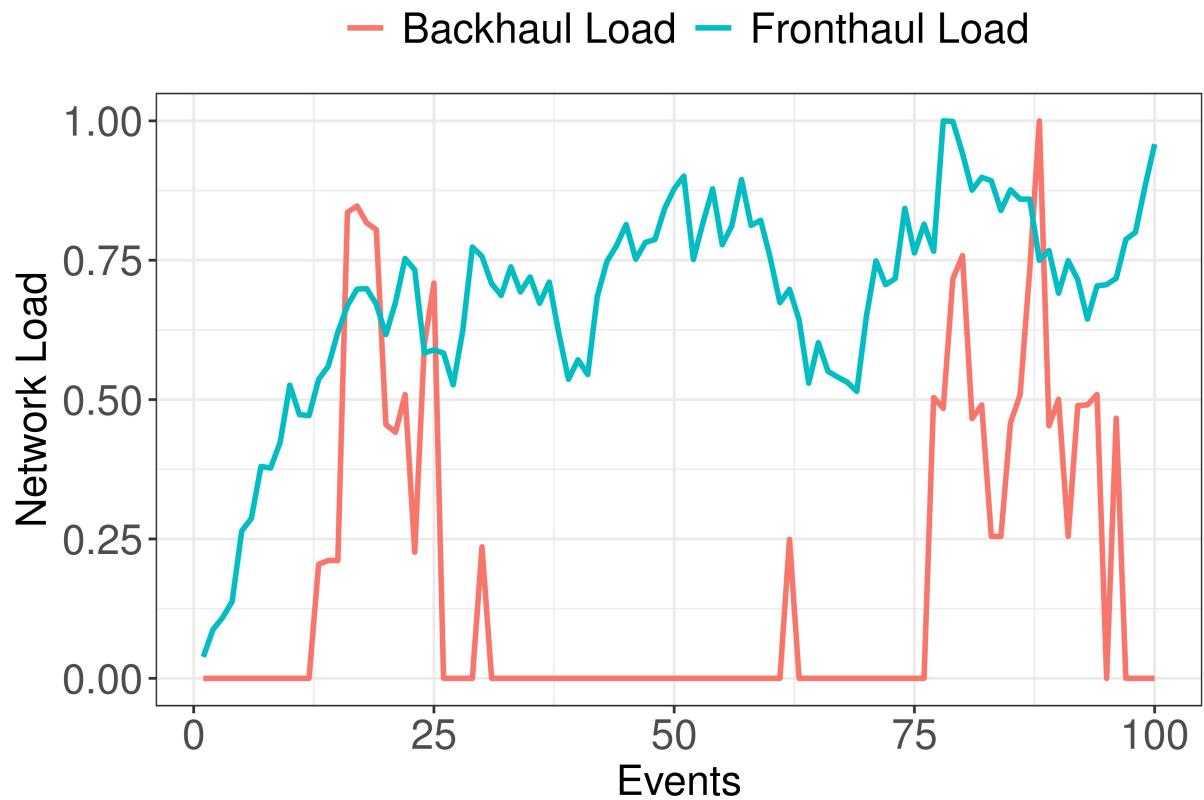


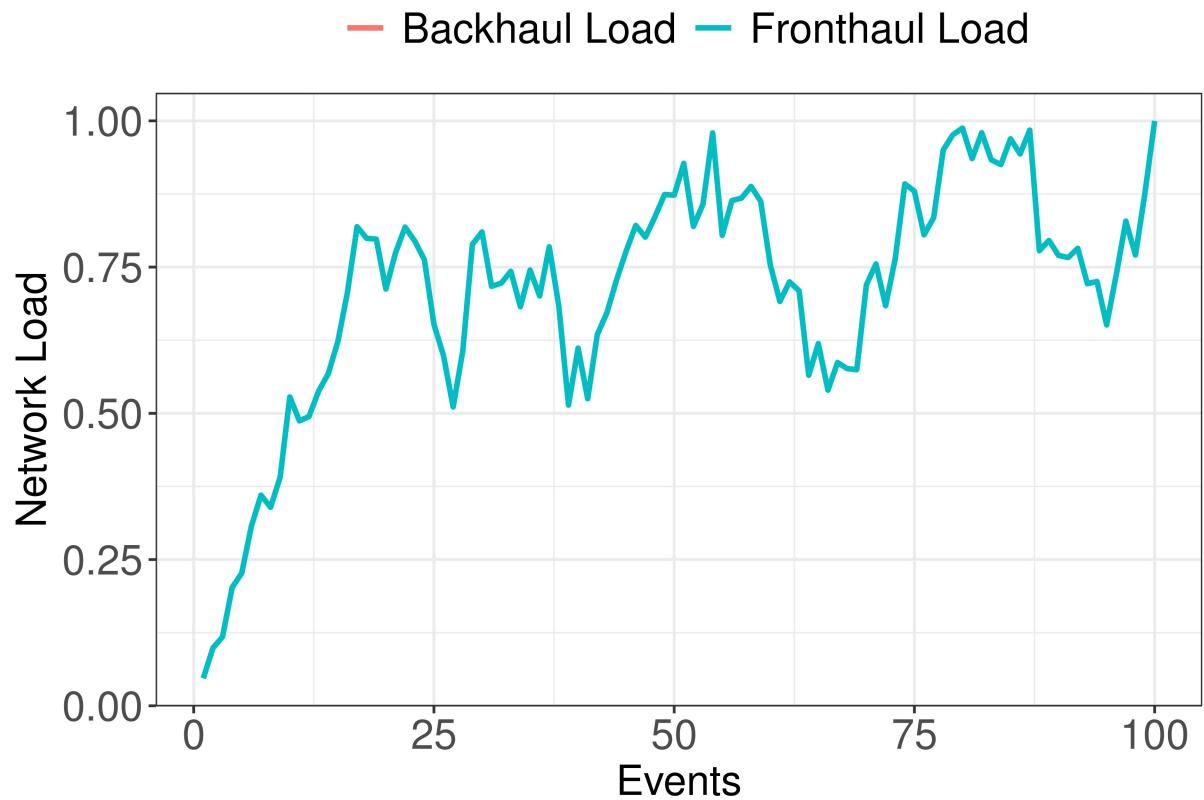


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Network Load - Fronthaul vs Backhaul







```
## Saving 6.5 x 4.5 in image
```