

2020 尚云互联 **产品介绍** CS2 P2P v4.0

深圳市尚云互联技术有限公司



P2P再升级

安全性更高

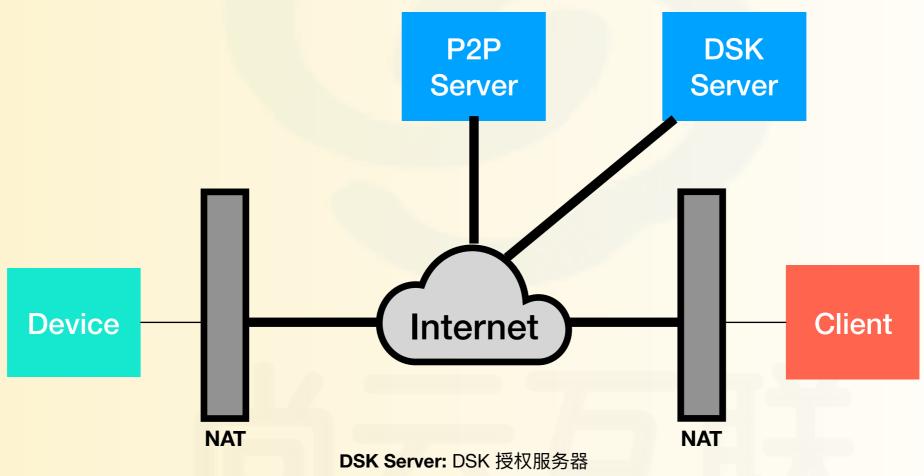
成本更低

速度更快



安全性升级 - DSK

DSK: Dynamic Session Key



P2P Server: P2P穿透服务器

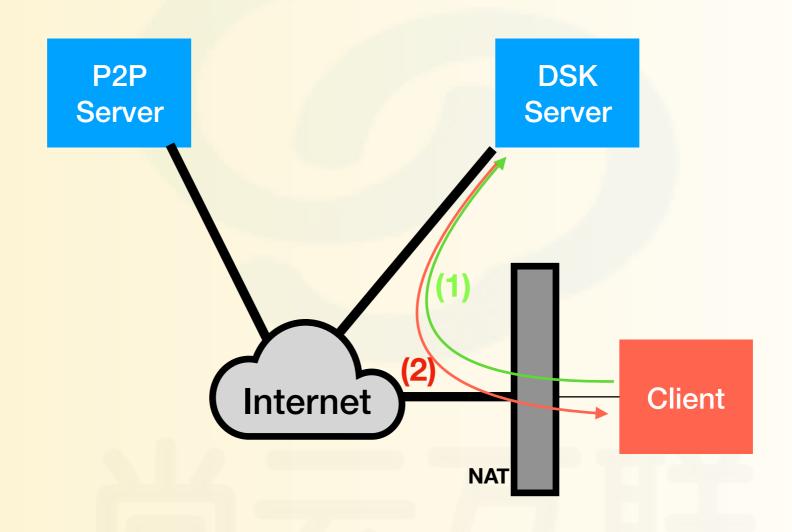
Device: 拥有唯一的ID号, 并定期往Server 报到

Client: 向P2P Server 发起请求与目标ID设备建立P2P连线

NAT: Client 以及 Device 透过NAT联网



安全性升级 - DSK



- (1) 当Client 想要与目标Device 建立连线之前,必须先向 DSK Server 取得当前目标Device 的 DSK 金钥
- (2) DSK Server 仅将DSK金钥传给 通过验证的合法 Client

Client 需要提供目标DID的当前的DSK才能获得服务器的回应, 否则服务器会拒绝之



成本更低 - External RSL

RSL: Relay Server List (转发服务器列表)

External RSL: 转发服务器列表由外部提供

边缘计算



速度更快

3.1.4 版本

```
ThreadWrite Channel 0 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 28.868 sec, 3.8 MByte/sec ThreadWrite Channel 1 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 32.407 sec, 3.4 MByte/sec ThreadWrite Channel 2 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 36.337 sec, 3.0 MByte/sec ThreadWrite Channel 3 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 36.139 sec, 3.1 MByte/sec ThreadWrite Channel 4 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 39.935 sec, 2.8 MByte/sec ThreadWrite Channel 5 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 42.686 sec, 2.6 MByte/sec ThreadWrite Channel 6 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 44.794 sec, 2.5 MByte/sec ThreadWrite Channel 7 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 47.464 sec, 2.3 MByte/sec
```

4.0.0 版本

```
ThreadWrite Channel 0 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 21.214 sec, 5.2 MByte/sec ThreadWrite Channel 1 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 21.507 sec, 5.1 MByte/sec ThreadWrite Channel 2 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 23.313 sec, 4.7 MByte/sec ThreadWrite Channel 3 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 24.390 sec, 4.5 MByte/sec ThreadWrite Channel 4 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 25.751 sec, 4.3 MByte/sec ThreadWrite Channel 5 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 27.406 sec, 4.0 MByte/sec ThreadWrite Channel 6 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 28.617 sec, 3.9 MByte/sec ThreadWrite Channel 7 Done - TotalSize:113090560 Byte (107.85 MByte), Time: 29.568 sec, 3.7 MByte/sec
```

注: 以上的测试是两台局网内x64 linux 云主机, 8 Channel 双向同时传送资料之实测结果