

IPv4 SWIP Analysis

What Is SWIP?



- SWIP = Shared Whois Project
- Enables ISPs to publish reassignments/reallocations of IP blocks to customers
 - Includes both legacy and non-legacy
- Direct Record Types
 - Direct Assignment: issued by ARIN to end users; cannot publish SWIPs
 - Direct Allocation: issued by ARIN to ISPs; can publish SWIPs
- SWIP Record Types
 - Simple Reassignment: customer name and address
 - Detailed Reassignment: org name, address, and points of contact (POCs)
 - Reallocation: org name/address/POCs & can further reassign/reallocate
- Ensuring accuracy of SWIP records is an ongoing concern

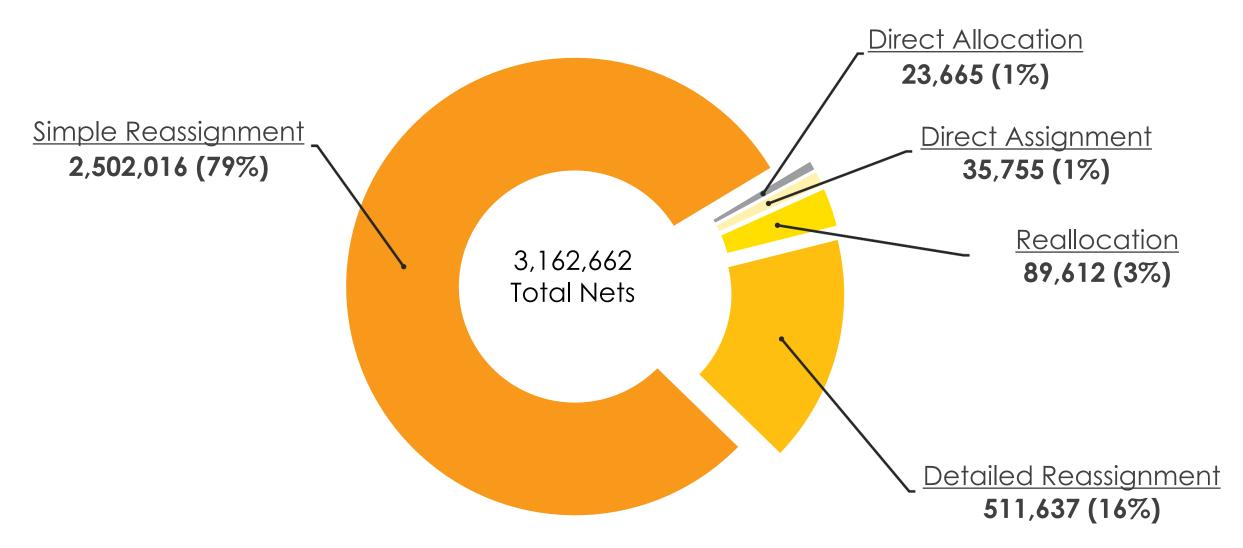
SWIP Data Analyzed



- How many networks are in Whois?
- How many ISPs publish SWIP records?
- How many SWIP records has each ISP published?
- How many annually validated SWIPs has each ISP published?
- How many reallocations has each ISP published?
- What does this tell us?

How many networks are in Whois?

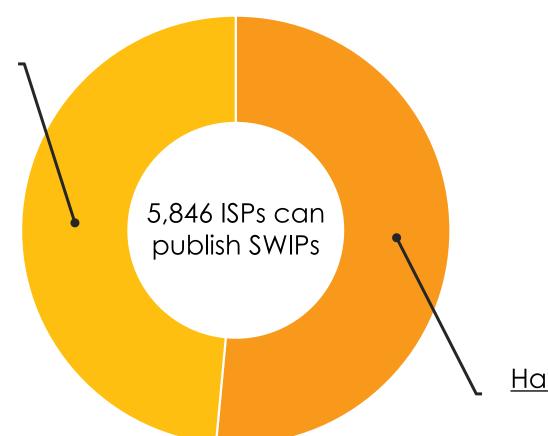




How many ISPs publish SWIPs?



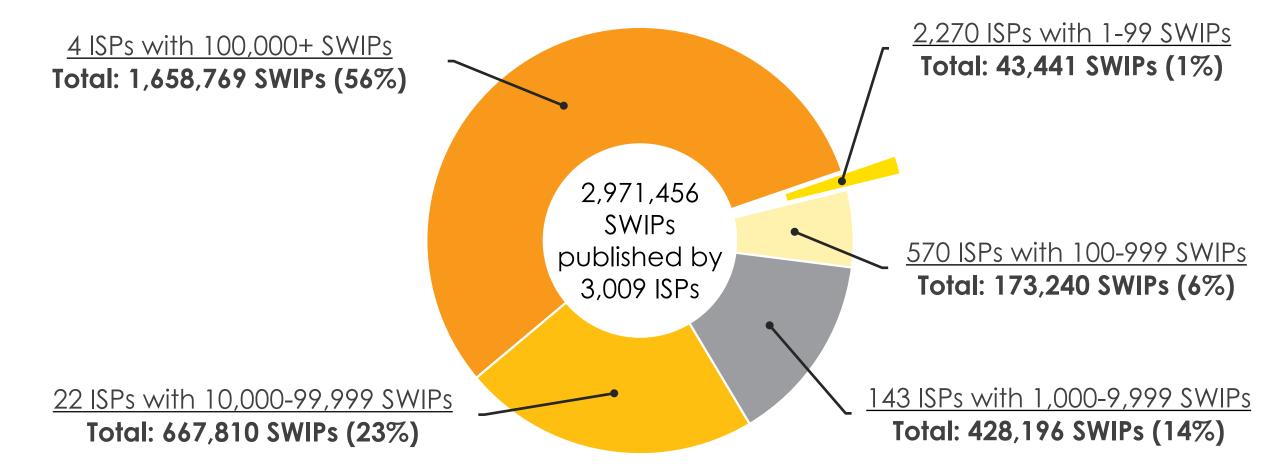
Have not published any SWIPs 2,837 (49%)



Have published SWIPs 3,009 (51%)

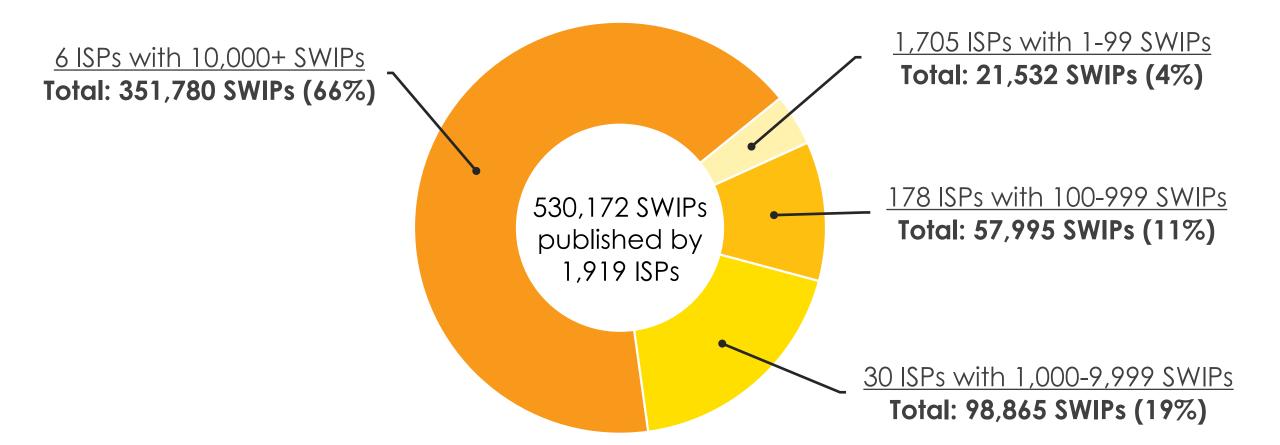
How many SWIP records has each ISP published?





How many SWIPs requiring annual POC validation* has each ISP published?

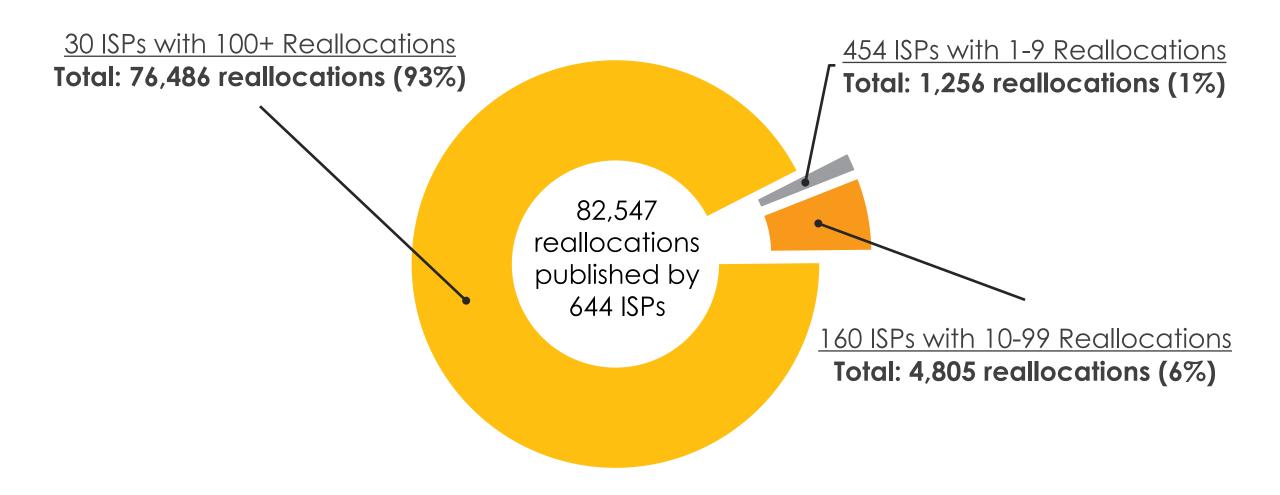




^{*} Reallocations and detailed reassignments

How many reallocations has each ISP published?





What does this tell us?



- 79% of SWIPs are not required to be validated
- Only 51% of ISPs publish SWIP records
- 6 ISPs are responsible for maintaining 66% of SWIPs requiring annual validation

Questions?



