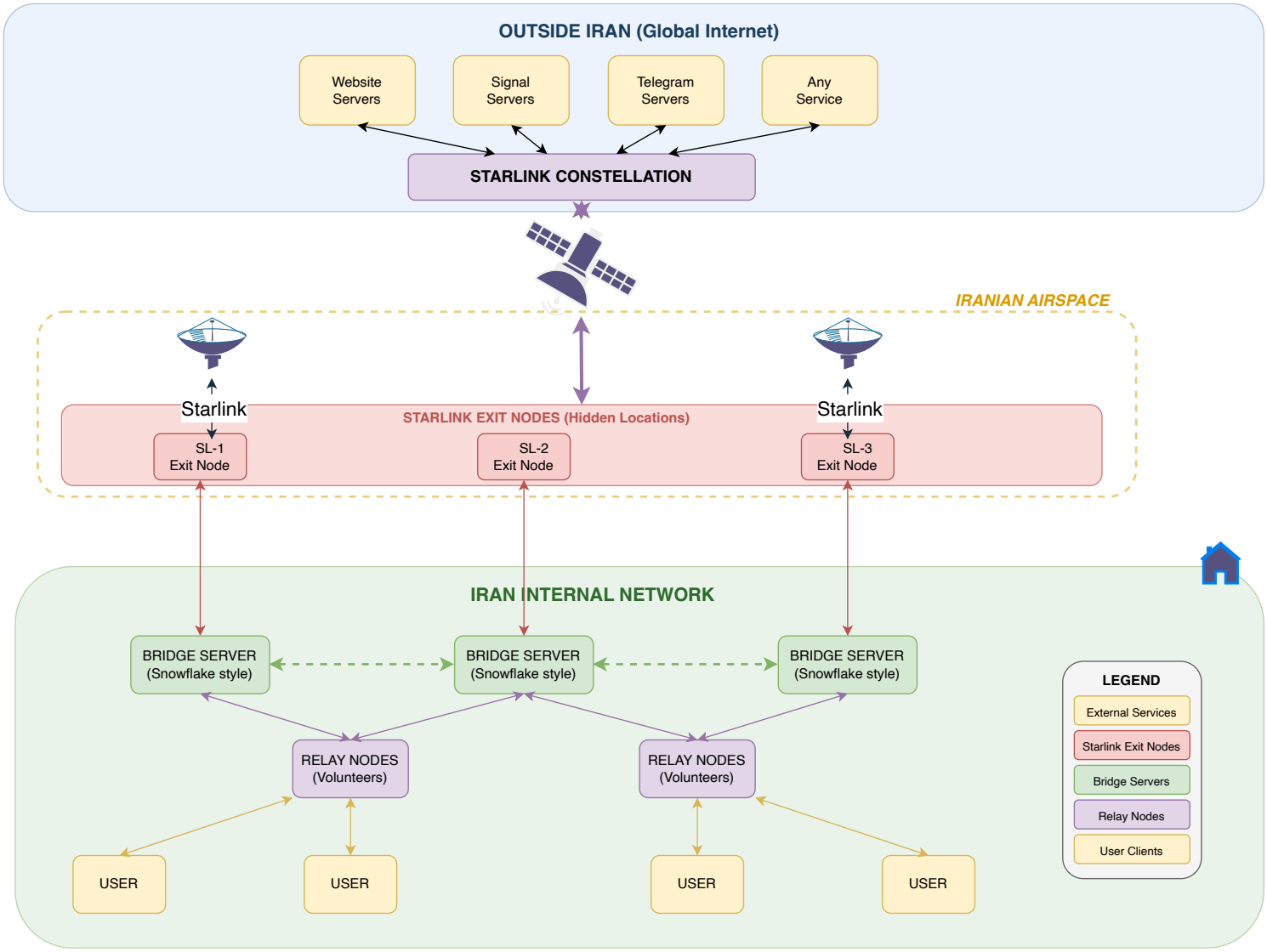
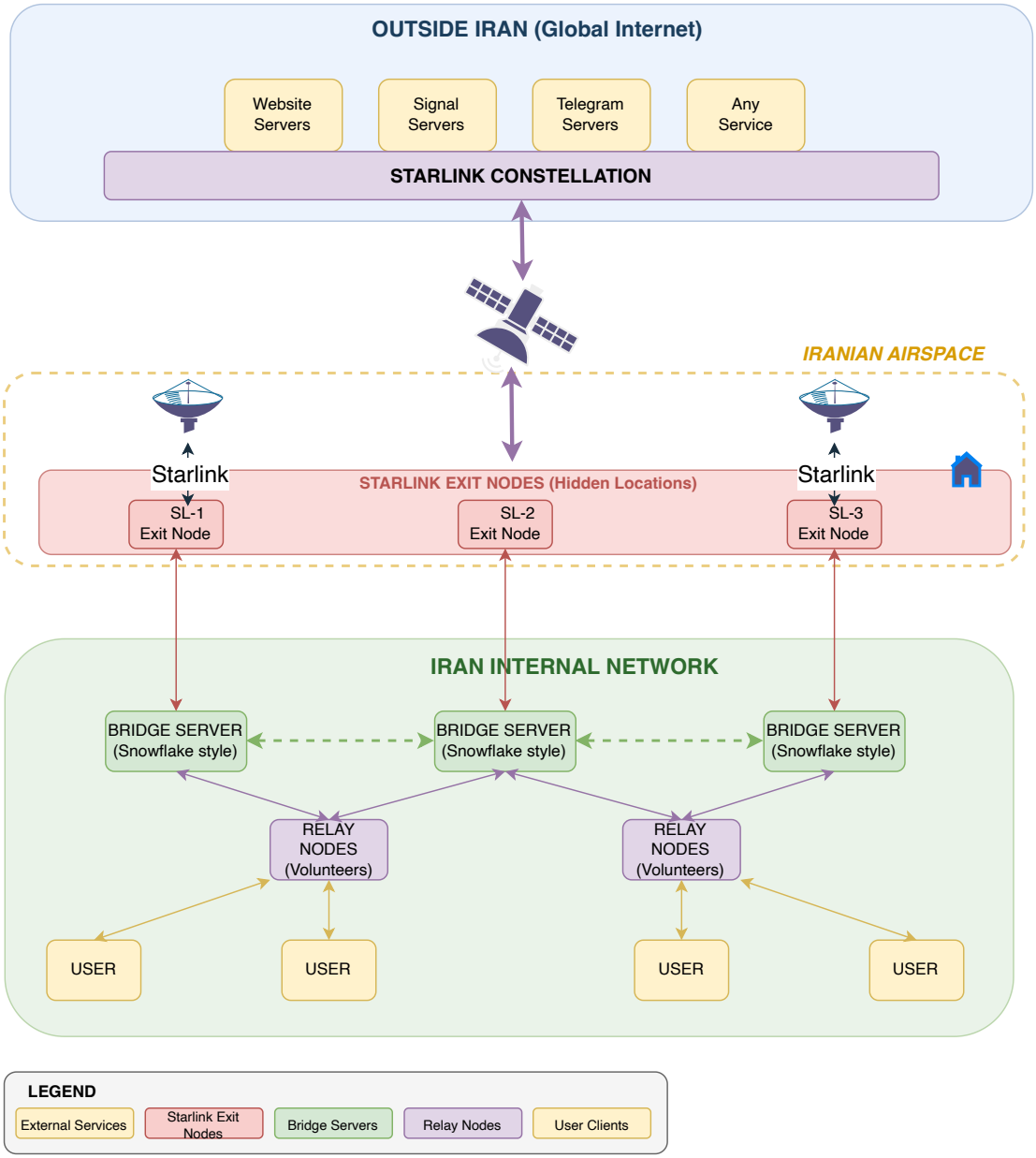

OUTSIDE IRAN (Global Internet)
Website Servers
Signal Servers
Telegram Servers
Any Service
STARLINK CONSTELLATION
IRANIAN AIRSPACE
Starlink
Starlink
STARLINK EXIT NODES (Hidden Locations)
SL-1 Exit Node
SL-2 Exit Node
SL-3 Exit Node
IRAN INTERNAL NETWORK
BRIDGE SERVER (Snowflake style)
BRIDGE SERVER (Snowflake style)
BRIDGE SERVER (Snowflake style)
RELAY NODES (Volunteers)
RELAY NODES (Volunteers)
USER
USER
USER
USER
LEGEND
External Services
Starlink Exit Nodes
Bridge Servers
Relay Nodes
User Clients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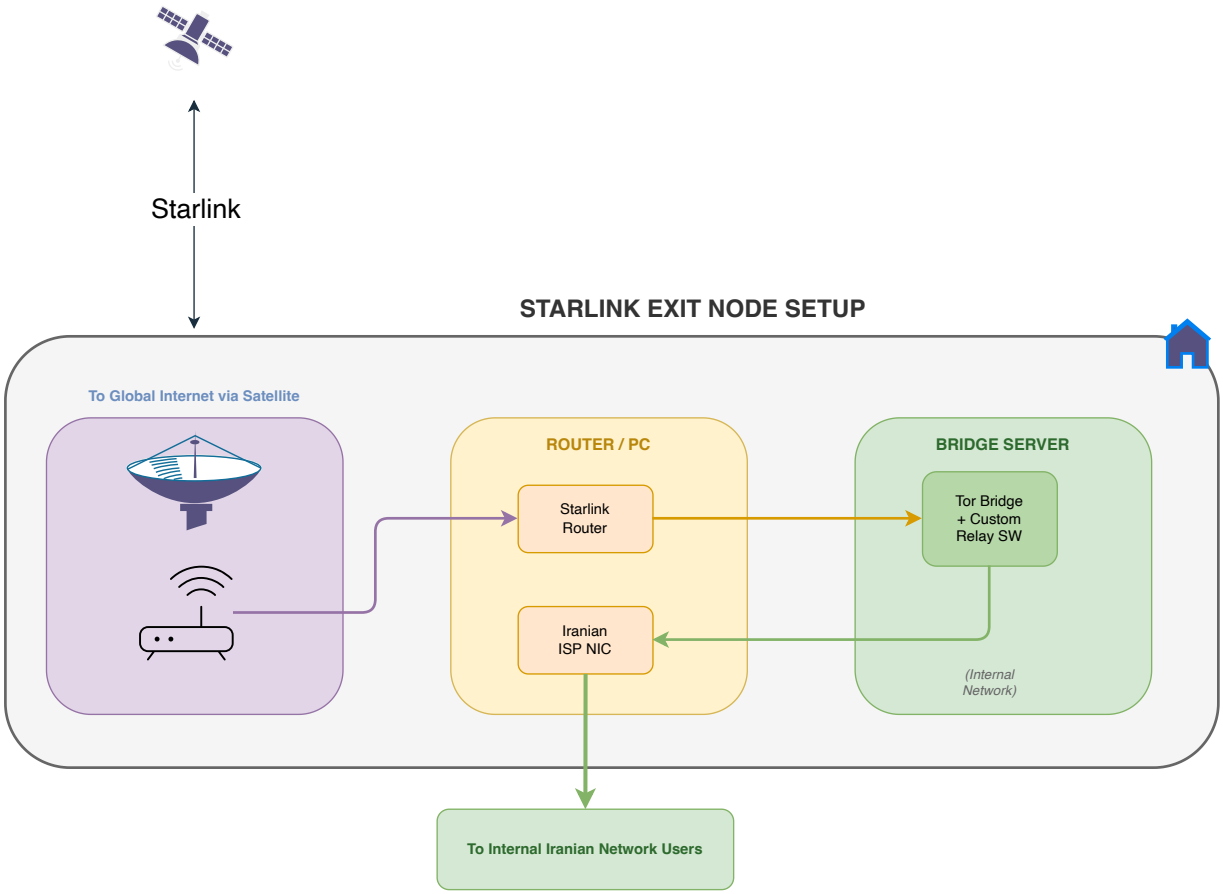
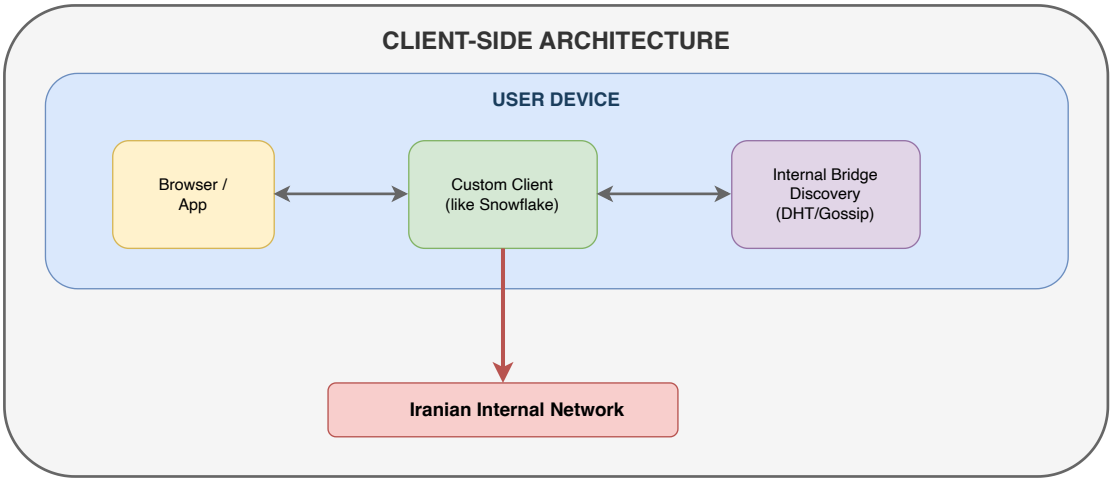
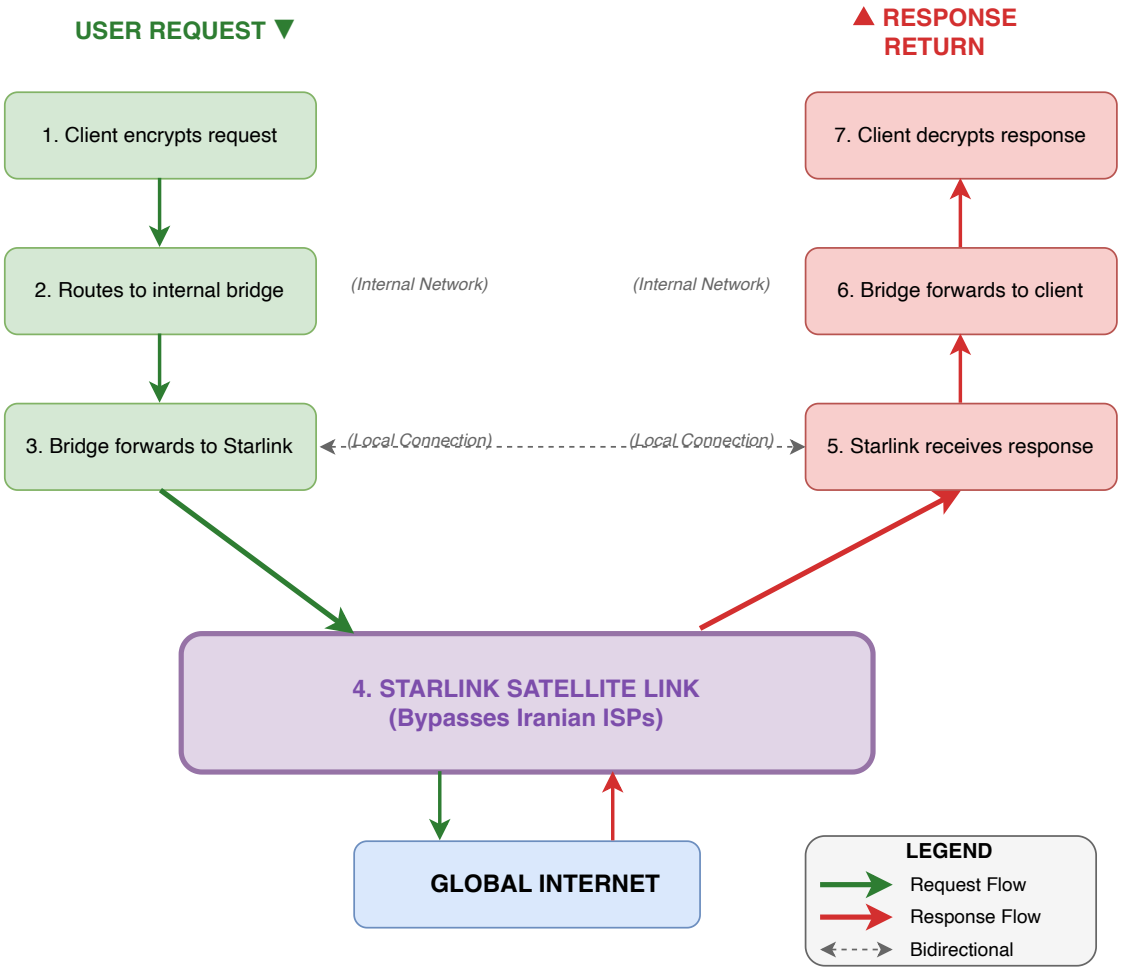
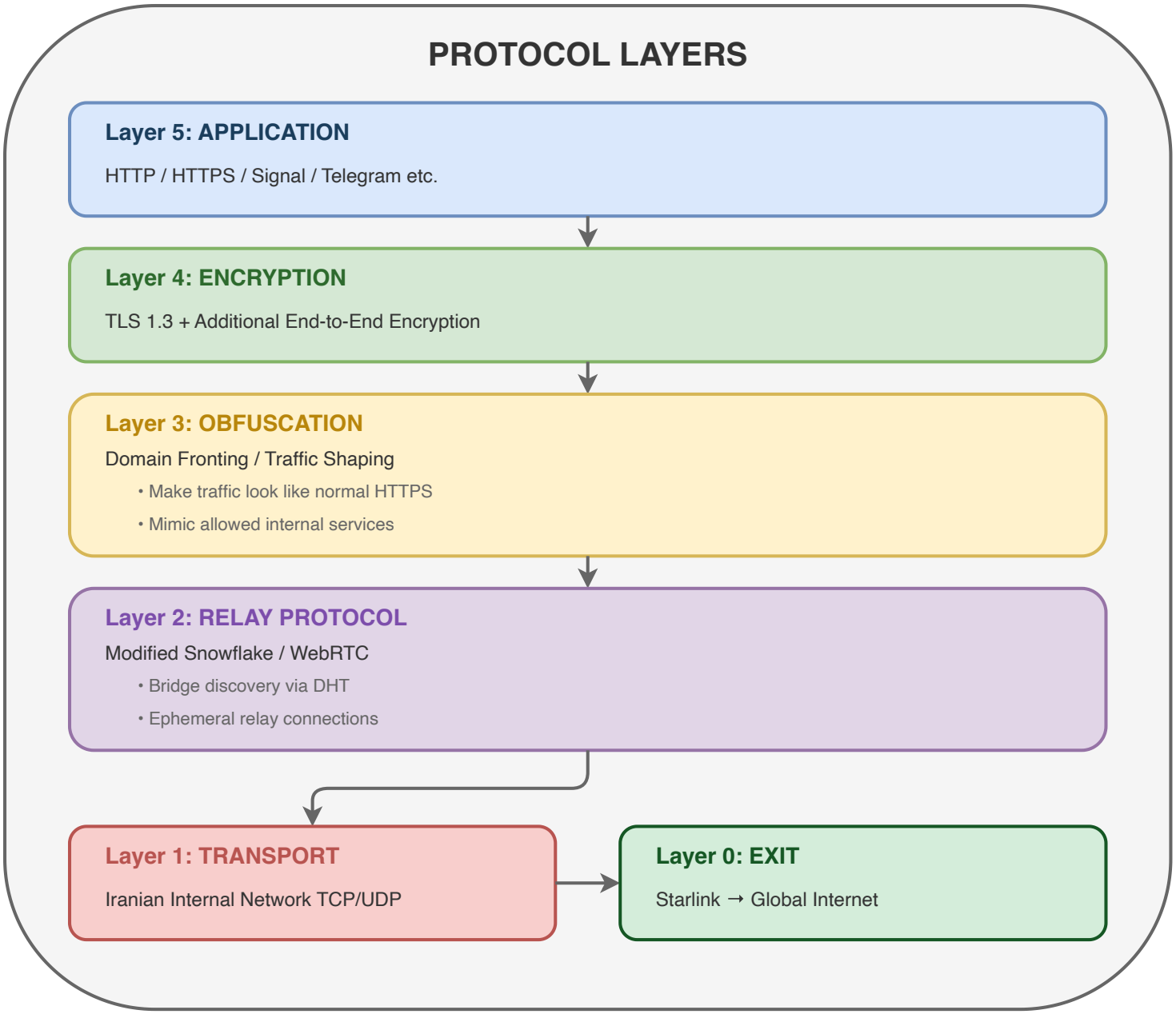

Starlink
STARLINK EXIT NODE SETUP
To Global Internet via Satellite
ROUTER / PC
Starlink
Router
Iranian
ISP NIC
BRIDGE SERVER
Tor Bridge
+ Custom
Relay SW
(Internal
Network)
To Internal Iranian Network Users


CLIENT-SIDE ARCHITECTURE
USER DEVICE
Browser / App
Custom Client (like Snowflake)
Internal Bridge Discovery (DHT/Gossip)
Iranian Internal Network

DATA FLOW DIAGRAM




PROTOCOL LAYERS
Layer 5: APPLICATION
HTTP / HTTPS / Signal / Telegram etc.
Layer 4: ENCRYPTION
TLS 1.3 + Additional End-to-End Encryption
Layer 3: OBFUSCATION
Domain Fronting / Traffic Shaping
• Make traffic look like normal HTTPS
• Mimic allowed internal services
Layer 2: RELAY PROTOCOL
Modified Snowflake / WebRTC
• Bridge discovery via DHT
• Ephemeral relay connections
Layer 1: TRANSPORT
Iranian Internal Network TCP/UDP
Layer 0: EXIT
Starlink → Global Internet