TCP/UDP Port Scanning and Service Discovery

TCP SYN Scan
Input: target 10.10.111.1 TCP ports 0-100
Output: TCP port 53 open
TCP ports 0-52, 54-100 close

TCP ACK Scan
Input: target 10.10.111.1 TCP ports 0-100
Output:
filtered ports: None

UDP Scan
Input: target 10.10.111.1 UDP ports 0-100
Output:
open ports:
2,5,8,11,14,17,20,23,26,29,32,35,38,41,44,47,50,53,56,59,62,65,67,68,71,74,77,80,83,86,89,92,95,
98

Services Discovered based on UDP_SERVICES dictionary
re_mail_ck
domain
bootpc
bootps
www

UDP Packet Tested for Running Services
DNS query sent and return rcode-server-failure