

# Lab 1

# Three Goals

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- Set up basic tools and software packages,
- Get familiar with basic Linux commands, and
- Refresh your memory about basic networking tools

# Goal 1: Setting up a VM

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- This activity mentions some software packages to be installed.
- Note:
  - You don't need to install `gef` or `nasm` for this lab, but they need to be ready by next lab

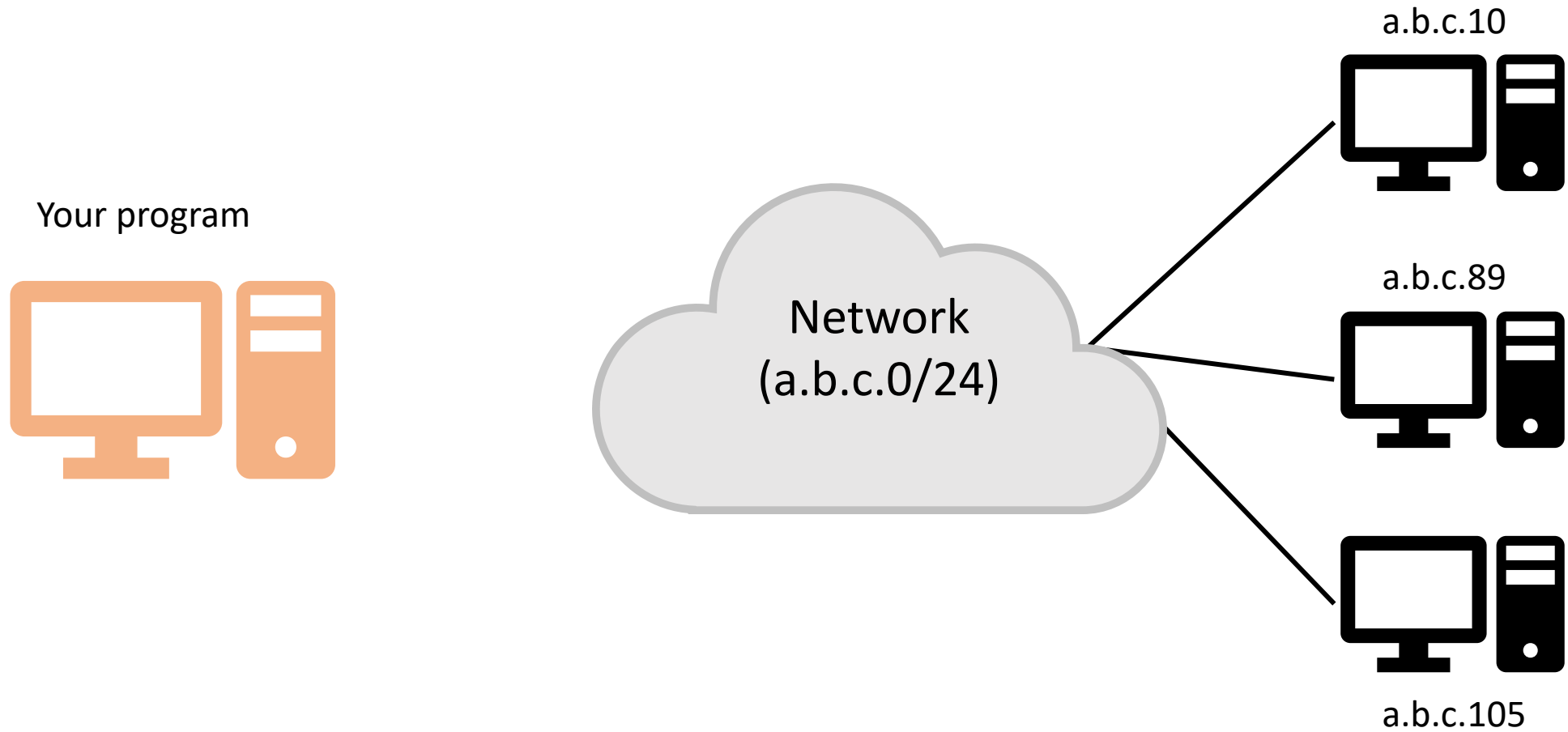
# Goal 2: Exploring Linux Commands

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- Explain the functionality of some Linux commands
- Then, running/implementing some programs:
  - Ping Sweep
  - Using Wireshark
  - Running a Reverse Shell

# Ping Sweep

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# Using Wireshark

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- Exploring the traffic after running a `dig` command

# Running a Reverse Shell

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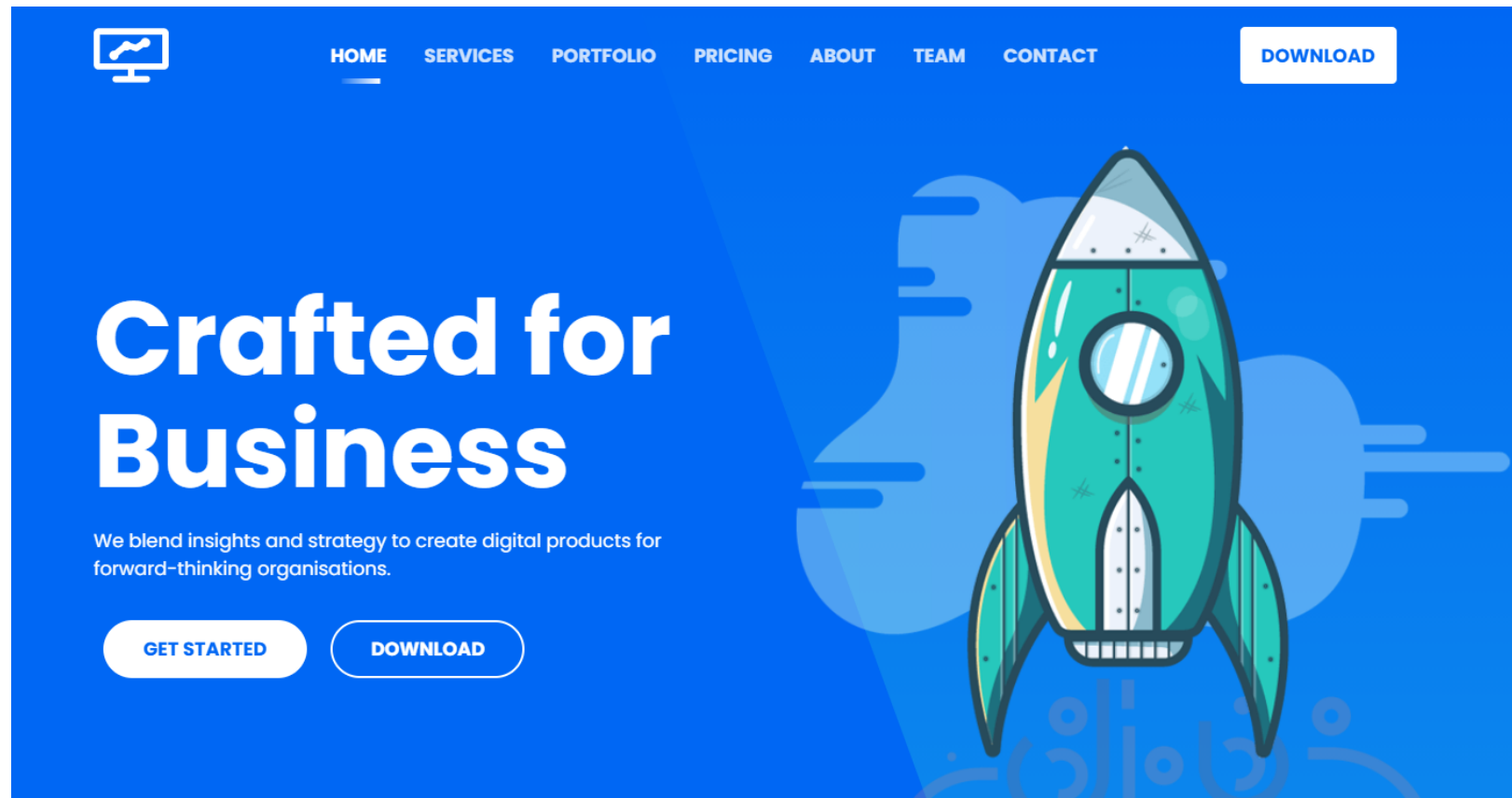
- After gaining an access, an attacker wants to control the victim machine remotely.



# Goal 3: Some Networking Tools in Action

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- This activity has a machine deployed on the Internet.
- Your task is to gain a secret key from that machine without logging to that machine.

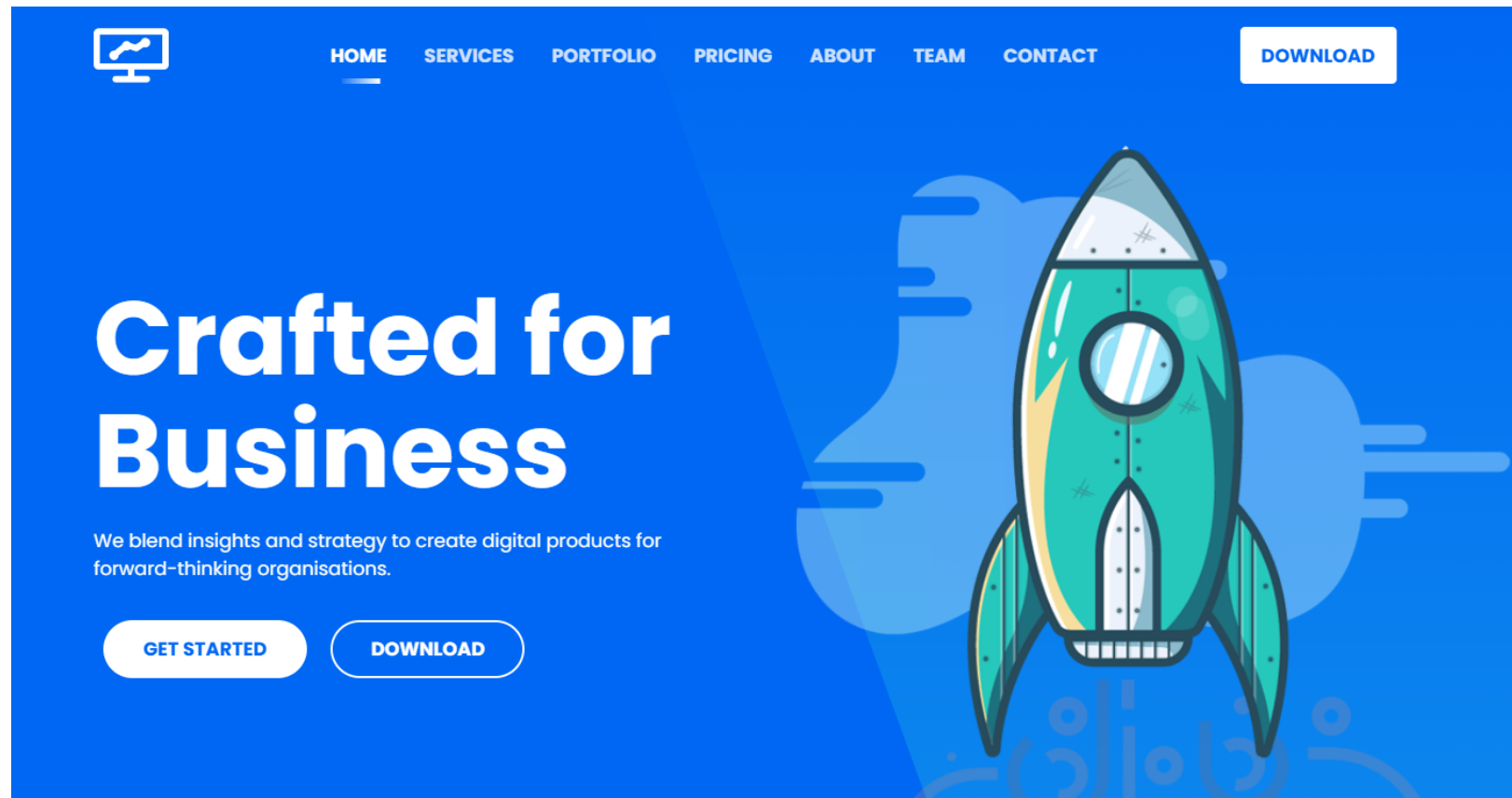




# Goal 3: Some Networking Tools in Action

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- Visit this web page: <http://34.125.87.88:8080/>



# Questions?

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