

# Virtual Machines -Challenges

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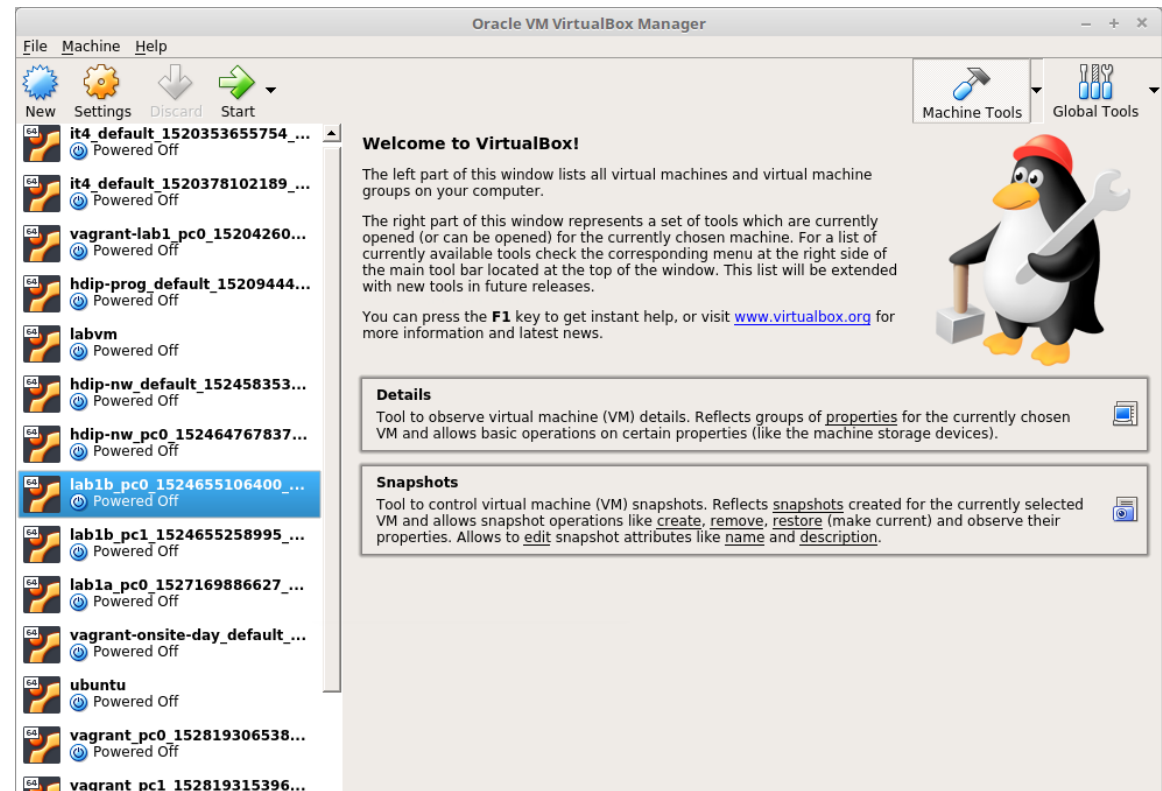
# Challenges: Complexity

- Network:
  - Creating connected VMs increases network load
  - Hypervisors use "virtual switch" and virtual network interfaces – can get complicated
- Storage:
  - VMs can be large – may need lots of storage



# Challenges: Sprawl

- Sometimes too easy to spin up a Virtual Machine
- Sprawl is when you have too many VMs
- Remember to audit/decommission unused VMs
  - Take up space and will be an expense if in public cloud like Amazon



# Other considerations

- Initial Costs
- Upskilling
- Data concerns(cloud)

