

# First Level Assessment

## DevOps(Cloud Monitoring : Zabbix)

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### Step 1: Choose a Virtualization Platform

You need a **hypervisor** to create a Virtual Machine. Choose one of the following:

1. **VirtualBox** (Free) → Download
  2. **VMware Workstation Player** (Free for personal use) → Download
  3. **Hyper-V** (Pre-installed on Windows Pro/Enterprise) → Download
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### Step 2: Download the Zabbix Appliance (Pre-Configured VM)

Instead of installing everything manually, you can **download a ready-made Zabbix virtual appliance**.

1. Go to **Zabbix Download Page**
  2. Choose the **OVA (Open Virtual Appliance)** format.
  3. Download and extract the file.
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### Step 3: Import Zabbix Virtual Appliance

#### For VirtualBox:

1. Open **VirtualBox** → Go to **File** → **Import Appliance**.
2. Select the downloaded **.ova** file.
3. Click **Next** → Accept the default settings → Click **Import**.
4. Start the VM.

#### For VMware Workstation Player:

1. Open **VMware Workstation Player**.
2. Click **Open a Virtual Machine**.
3. Select the **.ova** file and import it.
4. Start the VM.

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## Step 4: Access Zabbix Web Interface

Once the VM is running, **find the IP address** by running

```
ip a    # (For Linux)
ipconfig # (For Windows)
```

1. Open a browser and enter:  
`http://<VM-IP>/zabbix`
2. **Default Login Credentials**  
`Username: Admin`  
`Password: zabbix`

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## Step 5: Set Up Zabbix Agent on Host Machine

If you want to **monitor your host system (Windows/Linux)** from the Zabbix VM:

1. Download **Zabbix Agent** from Zabbix Download Page.
2. Install and configure the agent to connect to the Zabbix VM.

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## Step 6: Configure Monitoring Dashboards & Alerts

- **Add a Host (your main system)**
- **Create Custom Monitoring Dashboards** for CPU, RAM, Disk, Network.
- **Set Up Email or Slack Alerts** for real-time notifications.