

Changing the default Docker bridge IP address (the docker0 interface) is a common task, especially if the default range (`$172.17.0.0/16$`) conflicts with your existing network infrastructure.

To change this, you'll need to modify the Docker daemon configuration file.

## 1. Edit the Daemon Configuration

The configuration is typically stored in a file called `daemon.json`. If it doesn't exist, you will need to create it.

- **Location:** `/etc/docker/daemon.json` (Linux)
- **Action:** Add the `bip` (Bridge IP) key with your desired subnet in CIDR notation.

JSON

```
{  
  "bip": "192.168.100.1/24"  
}
```

**Note:** The IP you specify here becomes the gateway IP for the bridge. In the example above, the bridge will use the `$192.168.100.0/24$` network.

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## 2. Apply the Changes

For the changes to take effect, you need to restart the Docker service.

### 1. Reload and Restart:

Bash  
`sudo systemctl daemon-reload`  
`sudo systemctl restart docker`

### 2. Verify the Change:

Check the docker0 interface to ensure it reflects the new IP:  
Bash  
`ip addr show docker0`

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## Important Considerations

- **Container Impact:** This change will disrupt connectivity for any running containers. They will need to be restarted to pick up IPs from the new range.
- **Custom Networks:** This only changes the **default** bridge. If you have created user-defined bridge networks (using docker network create), those have their own separate configurations and won't be affected by the bip setting.
- **Address Conflicts:** Ensure the new range you choose does not overlap with your physical LAN or any VPNs you use, otherwise, you'll run into routing nightmares.

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Would you like me to help you write a script to automate this change across multiple nodes, or do you need help configuring a **user-defined** bridge instead?