

## LKE VPN Route Automation Script

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**\*\*Script Name:\*\*** `lke-add-vpn-route.sh`

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### Overview:

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This script is used to automate the process of adding a VPN route (`172.31.0.0/16` via 192.168.

### Features:

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- Accepts LKE Cluster ID as input
- Fetches all worker node public IPs
- SSH into each node using root access (with key-based authentication)
- Adds route only if it's not already present
- Logs status and timestamps for audit and debugging

### Usage:

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```
```bash
./lke-add-vpn-route.sh <LKE_CLUSTER_ID>
```
```

### Example:

```
```bash
./lke-add-vpn-route.sh 415227
```
```

### SSH Key Requirements:

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Ensure that passwordless SSH access is set up using the key provided in `pub-keys.yaml`:

- Private Key Path: `~/.ssh/lke-root-key`
- User: `root`

To verify if the route is present manually:

```
```bash
ssh -i ~/.ssh/lke-root-key root@<NODE_PUBLIC_IP> "ip route | grep -q '172.31.0.0/16' && echo "
```

### Logging:

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- The script outputs timestamped logs to stdout.
- You may redirect it to a file using:

```
```bash
./lke-add-vpn-route.sh 415227 >> vpn-route-log.txt 2>&1
```
```

#### Dependencies:

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- `linode-cli` must be installed and configured
- `jq` for parsing JSON
- Passwordless SSH should be in place for `root` user on worker nodes

#### Note:

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Make sure the pubkey has been pushed to all nodes using:

- `pub-keys.yaml` (ConfigMap)
- `pub-keys-to-node-daemonset.yaml` (DaemonSet for distribution)