```bash
#!/bin/bash

yum update -y

yum install -y httpd


# Enable and start the default Apache (port 80)

systemctl enable httpd

systemctl start httpd


# Create website directories

mkdir -p /var/www/html/app1

mkdir -p /var/www/html/app2


# Add sample content

echo "<h1>This is Website 1 on Port 80</h1>" > /var/www/html/app1/index.html

echo "<h1>This is Website 2 on Port 8080</h1>" > /var/www/html/app2/index.html


# Configure default Apache to serve /app1

cat > /etc/httpd/conf.d/app1.conf <<EOF

Alias /app1 /var/www/html/app1

<Directory /var/www/html/app1>

    Require all granted

</Directory>

EOF


systemctl restart httpd


# Prepare second Apache instance for port 8080

cp -a /etc/httpd /etc/httpd-8080
```

```
cp /usr/lib/systemd/system/httpd.service /etc/systemd/system/httpd-8080.service


# Create separate log and run directories

mkdir -p /var/log/httpd-8080

mkdir -p /var/run/httpd-8080


# Modify httpd-8080.conf

sed -i 's/^Listen 80/Listen 8080/' /etc/httpd-8080/conf/httpd.conf

sed -i 's|^DocumentRoot ".*"|DocumentRoot "/var/www/html/app2"|' /etc/httpd-8080/conf/httpd.conf

sed -i 's|<Directory ".*">|<Directory "/var/www/html/app2">|' /etc/httpd-8080/conf/httpd.conf

echo 'PidFile /var/run/httpd-8080/httpd.pid' >> /etc/httpd-8080/conf/httpd.conf

echo 'ErrorLog /var/log/httpd-8080/error_log' >> /etc/httpd-8080/conf/httpd.conf

echo 'CustomLog /var/log/httpd-8080/access_log combined' >> /etc/httpd-8080/conf/httpd.conf


# Update systemd service for 8080

cat > /etc/systemd/system/httpd-8080.service <<EOF

[Unit]

Description=Apache HTTP Server on port 8080

After=network.target


[Service]

Type=forking

PIDFile=/var/run/httpd-8080/httpd.pid

ExecStart=/usr/sbin/httpd -f /etc/httpd-8080/conf/httpd.conf -k start

ExecReload=/usr/sbin/httpd -f /etc/httpd-8080/conf/httpd.conf -k graceful

ExecStop=/usr/sbin/httpd -f /etc/httpd-8080/conf/httpd.conf -k stop
```

PrivateTmp=true

[Install]

WantedBy=multi-user.target

EOF

Reload systemd and start second Apache instance

```
systemctl daemon-reexec
systemctl daemon-reload
systemctl enable httpd-8080
systemctl start httpd-8080
```