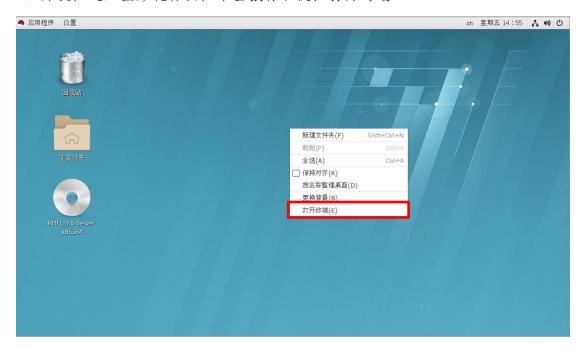
Linux 系统的用户界面切换方法

1. 开机,进入图形化界面,单击鼠标右键,打开终端



2. 编辑系统环境变量, 键入命令: vim ~/. bash_profile



单击回车键 Enter

最下面添加变量(字母 i 可进行插入字符操作):

export PVSS_II=/home/mtr_line_9/WHLSVR/config/config

export PVSS_II_PROJ=/home/mtr_line_9/WHLSVR

环境变量中的路径为 WinCC_OA 的工程路径,以汪河路服务器为例: home/mtr line 9/WHLSVR

按下键盘 "ESC",输入wq,保存退出。

为使环境变量立即生效,键入命令: source ~/. bash_profile 并按下 回车键

3. 编辑 WinCC OA 的配置文件

键入命令: vim /etc/winccoa.conf 并按下回车键 Enter



添加变量: PVSS_II=/home/mtr_line_9/WHLSVR/config/config

按下键盘 "ESC",输入wq,保存退出。



4. 添加 WinCC_OA 服务

键入命令: chkconfig --add winccoa 并按下回车键 Enter



5. 设置开机默认启动命令行界面

键入命令: systemctl set-default multi-user.target 并按下回车键

```
[root®ATZFEP1 ~] # systemctl set-default multi-user.target | Removed symlink /etc/systemd/system/default.target. | Created symlink from /etc/systemd/system/default.target to /usr/lib/systemd/system/multi-user.target. | [root®ATZFEP1 ~] # ■
```

6. 重启系统, 命令: reboot

```
Created symlink from /etc/systemd/system/default.target to /usr/lib/systemd/syst
em/multi-user.target.
[root®ATZFEP1 ~]#_reboot____
```

- 7. 再次开机启动后,系统为命令行界面
- 8. 命令行界面下监测服务进程状态的两种方式

ps aux | grep WinCC 并按下回车键 Enter (严格区分大小写)

systemctl status winccoa 并按下回车键 Enter

可以查看当前 Wincc_OA 工程中存活的进程:

例如 Modbus Driver; Control Manager 等等

(此示意设备并未接入环网,进程数量并不完整)

```
Red Not Enterprise Linux Server 7.5 (Majpo)
Rernel 3.18.8-662.el7.x86_64 on an x86_64

ATTEPT1 log n: root
Password:
Last login: Pri Jul 5 15:35:28 on :8
LrootMATTEPT1 lin ps aux i grep Wincc
root 1847 0.0 0.0 1761 3.0 ( Ss 15:55 8:88 /opt/Wincc 0A/3.14/bin/lm_ip -a lockmage -f 688 root 1848 8.1 8.1 536872 18648 7 Sl 15:55 8:88 /opt/Wincc 0A/3.14/bin/lm_ip -a lockmage -f 688 root 1848 8.1 8.1 536872 18648 7 Sl 15:55 8:88 /opt/Wincc 0A/3.14/bin/wCOOmmod -PROJ ATTEPP -pum
root 2488 8.0 0.0 197204 044 1.5 Sl 15:55 8:88 grep -color=auto Wincc
InoutMATTEPT1 lin ps aux i grep Wincc
Loaded 8.1 8.1 536872 18648 7 Sl 15:55 8:88 grep -color=auto Wincc
Loaded 8.1 0.1 8.1 536872 18648 7 Sl 15:55 8:88 grep -color=auto Wincc
Loaded: Loaded (/retc.rc.d./init.d./winccoa.sbali vendor preset: disabled)
Active: active (running) since Fri 2819-87-85 15:55:14 CST: 3min 4s ago
Docs: man:systemd-sysv-generator(8)
Process: 1698 ExecStart-zetz/rc.d/init.d/winccoa start (code=exited, status=8/SUCCESS)
Tasks:
CGroup: //system.slicz/winccoa.service
1727 WCCILpman
1847 /opt/WincC 0A/3.14/bin/McCOMmod -PROJ ATTEPP -numolodey 2 -num 41 MPAS

Jul 85 15:55:14 ATTEPP1 systemd(1): Starting LSB: Start/Stop a WincC 0A project..
Jul 85 15:55:14 ATTEPP1 systemd(1): Starting WincC 0A: /home/mtr_line_9/ATTEPP2/config/config - done.
Jul 85 15:55:14 ATTEPP1 systemd(1): Starting WincC 0A: /home/mtr_line_9/ATTEPP2/config/config - done.
Jul 85 15:55:14 ATTEPP1 systemd(1): Starting WincC 0A: /home/mtr_line_9/ATTEPP2/config/config - done.
Jul 85 15:55:14 ATTEPP1 systemd(1): Starting WincC 0A: /home/mtr_line_9/ATTEPP2/config/config - done.
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Jul 85 15:55:14 ATTEPP1 systemd(1): Starting WincC 0A: /home/mtr_line_9/ATTEPP2/config/config - done.
Jul 85 15:55:14 ATT
```

9. 如调试需要,可将系统修改回图形化界面,在命令行界面中键入命令: systemctl set-default graphical.target 并按下回车, reboot 重启。

```
Red Hat Enterprise Linux Server 7.5 (Majpo)
Rernel 3.18.8-862.el7.x86_64 on an x86_64

ATZZEP1 login: root
Passward:
Last login: Fri Jul 5 15:35:28 on :8
Lroot8HTZTEP1 "IN
LR
```

10. 调试完毕后,请重复步骤 5-6,将系统恢复至 SHELL 界面。