ModeStateMachine extends StateMachine

- **WifiDisabledState** extends ModeActiveState
- ClientModeActiveState extends ModeActiveState
  不处理的会给父状态处理
- ScanOnlyModeActiveState extends ModeActiveState

ClientModeStateMachine extends StateMachine

- **IdleState** extends State
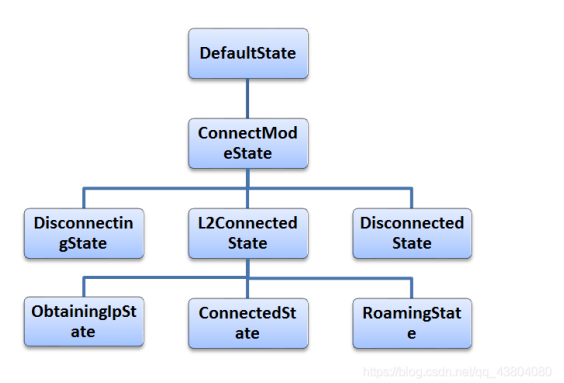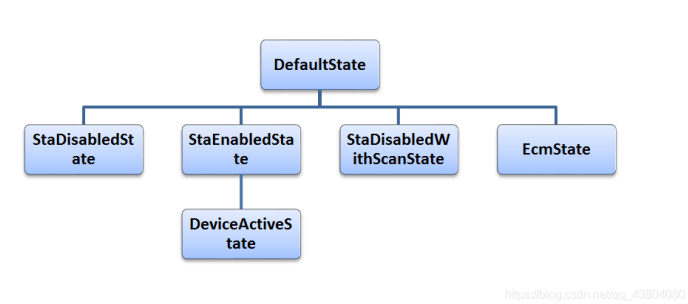- StartedState extends State

状态机的实现在Android P 和 Android R差别还是很大的,Android11已经没有WifiStateMachine.java实现了 举例
R frameworks/opt/net/wifi/service/java/com/android/server/wifi/ClientModeImpl.java :: class ObtainingIpState extends State
P frameworks/opt/net/wifi/service/java/com/android/server/wifi/WifiStateMachine.java :: class ObtainingIpState extends State
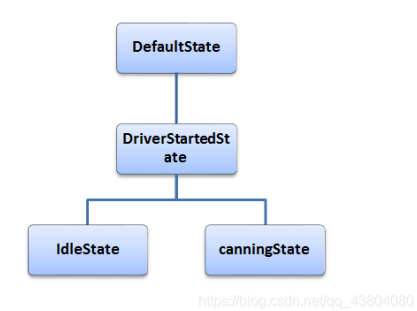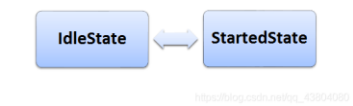
WifiStateMachine.java

```
DefaultState
  └─ ConnectModeState
       ├─ DisconnectingState
       │    └─ ObtainingIpState
       ├─ L2ConnectedState
       │    └─ ConnectedState
       └─ DisconnectedState
            └─ RoamingState
```

WifiController.java

```
DefaultState
  ├─ StaDisabledState
  ├─ StaEnabledState
  │    └─ DeviceActiveState
  ├─ StaDisabledWithScanState
  └─ EcmState
```

WifiScanningServiceImpl.java

```
DefaultState
  └─ DriverStartedState
       ├─ IdleState
       └─ canningState
```

SoftApManager.java

```
IdleState ⟷ StartedState
```

SupplicantStateTracker.java

```
DefaultState
  ├─ UninitializedState
  ├─ InactiveState
  ├─ DisconnectState
  └─ ConnectionActiveState
       ├─ ScanState
       ├─ HandshakeState
       ├─ CompletedState
       └─ DormantState
```