引擎启动入口: LaunchWindows.cpp

```
// Run the guarded code.
ErrorLevel = GuardedMain( CmdLine );
```

GuardMain:

```
1. EnginePreInit
```

```
129 🔨
                           int32 ErrorLevel = EnginePreInit( CmdLine );
                            if (GIsEditor)
                                ErrorLevel = EditorInit([&] GEngineLoop);
2. Init
                                     while( !IsEngineExitRequested() )
                     172 🔨
3. EngineTick
                                         EngineTick();
4. Exit
```

EnginePreInit

LaunchEngineLoop.cpp

```
1.
                    const int32 rv1 = PreInitPreStartupScreen(CmdLine);
                   const int32 rv2 = PreInitPostStartupScreen(CmdLine);
```

PreInitPreStartupScreen

PreInitPostStartupScreen

EditorInit和EngineInit

在GuardedMain中有EditorInit和EngineInit方法,根据是否是编辑器模式来决定通过哪种方式启动。

```
Description of the content of the co
```

EngineTick

```
170
171 while(!IsEngineExitRequested())
172 {
173 EngineTick();
174 }
175

60 void EngineTick( void )
61 {
62 GEngineLoop.Tick();
63 }
```