## **Application (process)** OS-related layer (GUI layer, NT service layer, etc.) Process main thread other code other code main() other code **Application management layer** io\_service\_1 + work threads (thread\_pool\_1[0..M]) other code active\_object\_1 active\_object\_1 other code **Business logic layer** io\_service\_2 + work threads (thread\_pool\_2[0..N]) active\_object\_2\_1 active\_object\_2\_2 active\_object\_2\_3 active\_object\_2\_4 other code **Communication session management layer** io\_service\_3 + work threads (thread\_pool\_3[0..P]) active\_object\_3 active\_object\_3\_2 other code active\_object\_3\_n other code Message parsing/serializing layer io\_service\_4 + work threads (thread\_pool\_4[0..R]) active\_object\_4\_ active\_object\_4 active\_object\_4\_n other code 10 layer active\_object\_5\_1 active\_object\_5\_2 active\_object\_5\_n other code

