Application (process) OS-related layer (GUI layer, NT service layer, etc.) Process main thread other code other code other code main() (application (application event (interactivity start/stop) processing) management, UI) Application management layer io_service_1 + work threads (thread_pool_1[0..M]) active_object_1_1 active_object_1_2 active_object_1_3 (application lifetime other code other code (configuration (application-wide event controller) management) management) Business logic layer io_service_2 + work threads (thread_pool_2[0..N]) active_object_2_1 active_object_2_2 active_object_2_m (business workflow (application event other code (business events processor) processor) log subsystem) Communication session management layer io_service_3 + work threads (thread_pool_3[0..P]) active_object_3_1 active_object_3_2 active_object_3_n other code other code (HTTP client) (session manager) (chat room) Message parsing/serializing layer io_service_4 + work threads (thread_pool_4[0..R]) active_object_4_p active_object_4_1 active_object_4_2 other code (database access (JABBER session) (HTTP session) session) **IO** layer active_object_5_c active_object_5_1 active_object_5_2 (database other code (socket) (file) connection)



