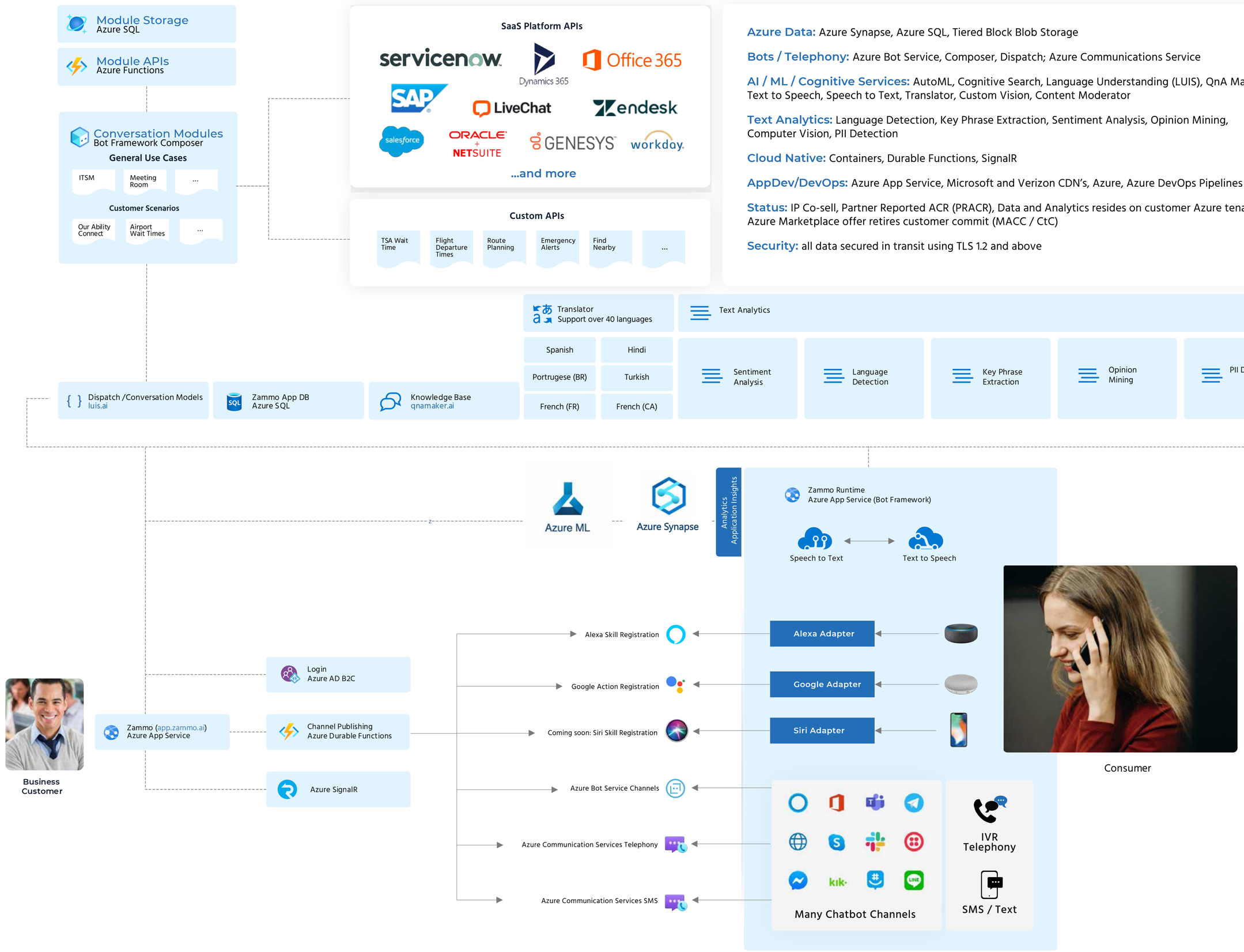ARCHITECTURE DIAGRAM