The Resurgent Mainframe: new operating systems and applications

Abstract:

The sales of mainframe computers, specifically "system Z" from IBM, are increasing. This new mainframe power is being used to run legacy applications on bigger workloads, but it is also being used for new types of work. Distributed services like web servers and web applications that had been put on "cheap" commodity servers are being moved to the "expensive" mainframe. How and why is this happening, and what is the OS and middleware infrastructure that is making it possible. Bonus: These changes also removes all of the legacy "cruft" required to make system Z backwards compatible all the way to the 1960s' system/360.