

Video Demo #2 - More on Multiple Servant Regions

URL: <http://www.youtube.com/watch?v=Y9gOiL-33jU>

Video Abstract:

This video demonstrates four aspects of the multiple servant design -- (1) restart of failed servant; (2) session replication between servants; (3) dynamic expansion of servants; and (4) z/OS MODIFY expansion of servants.

Start	End	Time	Topic Covered
00:00	00:19	0:19	Video introduction.
00:19	00:36	0:17	Picture illustration reminder of the WAS z/OS runtime topology in use.
00:36	01:13	0:37	List of topics to be covered - restart of failed servant; session replication between servants; dynamic expansion of servants; MODIFY expansion of servants.
01:13	01:18	0:05	Topic transition chart - "Failed Servant Restart."
01:18	01:42	0:24	Picture illustration and explanation of failed servant restart
01:42	02:31	0:49	TSO =SDSF.ST screen showing cancel of a servant and replacement servant beginning to initialize.
02:31	03:27	0:56	TSO =SDSF.LOG screen with an exploration of the timestamps for the cancel, the start and the initialization complete messages.
03:27	03:32	0:05	Topic transition chart - "Session Replication."
03:32	04:38	1:06	Picture illustration and explanation of session replication within "replication domain," and a focus on WAS z/OS use of controller data space to avoid network overhead to replicate.
04:38	05:30	0:52	Admin Console review of session replication configuration settings.
05:30	05:58	0:28	TSO =SDSF.DA screen showing address spaces with the STC numbers for the two servant regions.
05:58	06:58	1:00	Browser display of SuperSnoop application showing affinity to first servant STC, then placement to the surviving servant STC with the stateful session replicated.
06:58	07:03	0:05	Topic transition chart - "Dynamic Expansion"
07:03	07:46	0:43	Picture illustration and explanation of how and why WLM may start additional servant regions to meet the defined goals.
07:46	07:56	0:10	Admin Console review of the defined MIN and MAX servant regions.
07:56	08:33	0:37	Telnet screen invoking JMeter driver program, then TSO =SDSF.DA screen showing initial two servant regions growing to three based on WLM determining it needed an additional servant to meet the defined goals.
08:33	08:38	0:05	Topic transition chart - "MODIFY Expansion."
08:38	09:36	0:58	Picture illustration and explanation of z/OS MODIFY to expand servants.
09:36	10:13	0:37	TSO =SDSF.DA screen showing initial two servant regions, then issuance of MODIFY command and the appearance of the third servant region.
10:13	10:41	0:27	Video summary.