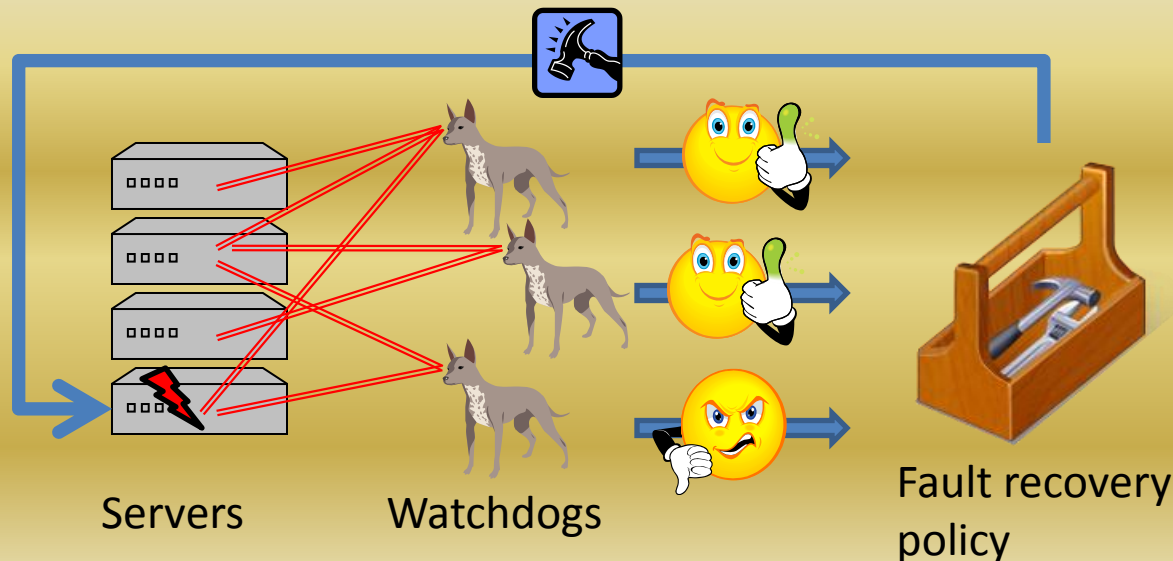


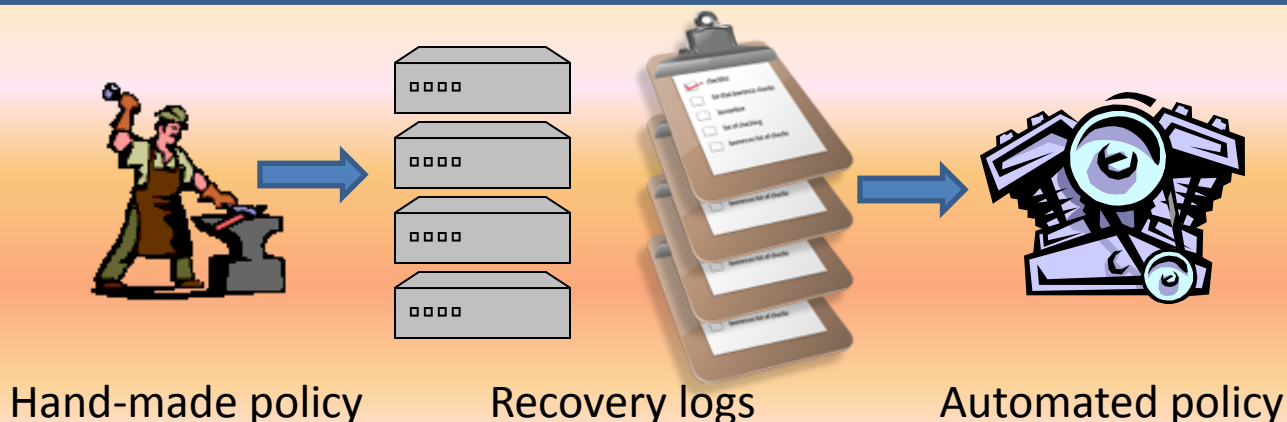
Improving Existing Fault Recovery Policies

Guy Shani, BGU
Chris Meek, MSR

Fault recovery policies decide which action is suitable for repairing a server malfunction observed by the watchdogs. Such policies are typically constructed by experts.



We use execution logs of the hand-made recovery policy over the real system to learn an improved automated policy.



Also in the paper: a indefinite horizon POMDP, a passive learning approach that does not explore, a model checking phase, an empirical evaluation that shows an improvement of existing escalation policies.