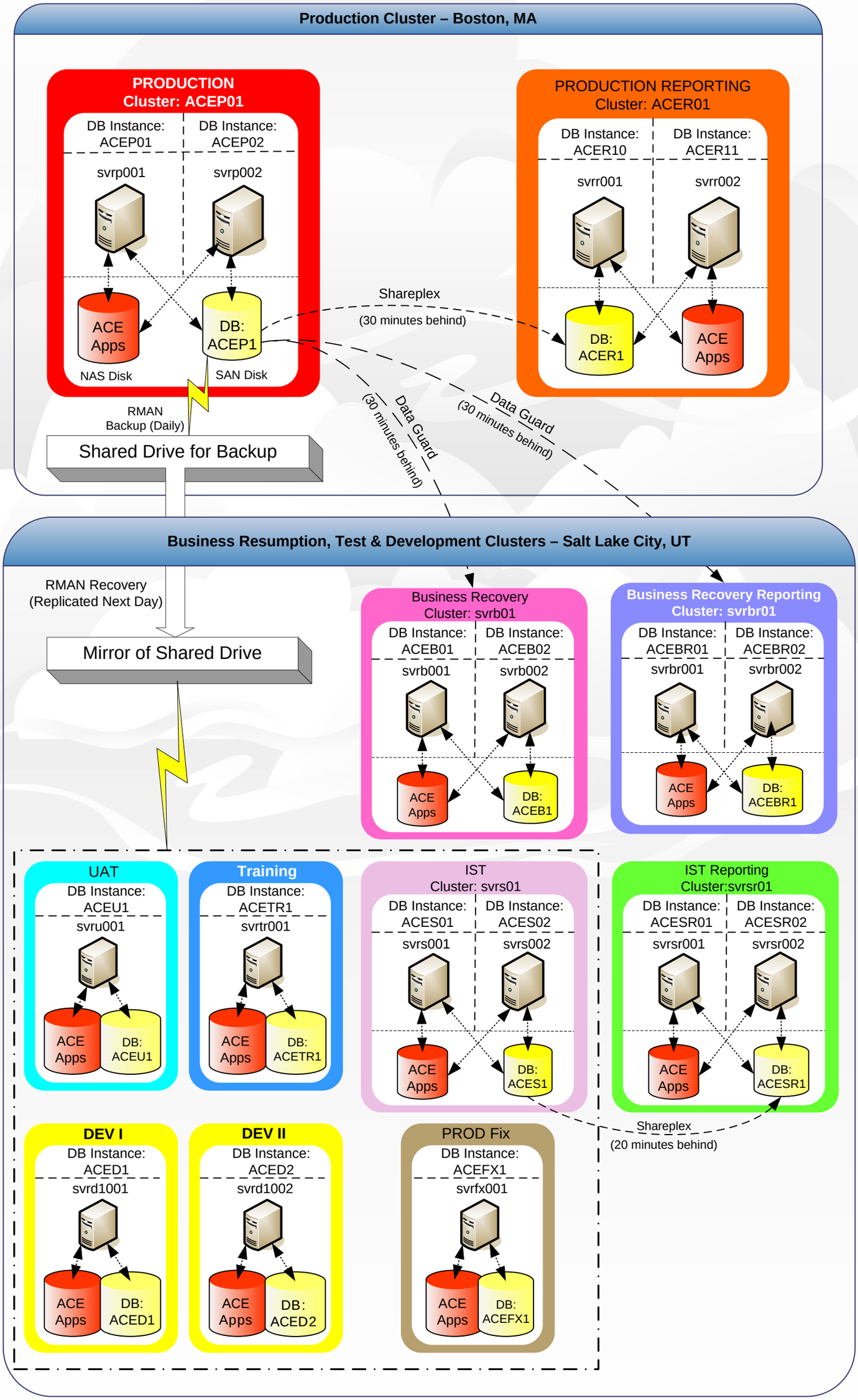ACE Architecture Overview