Supplemental Data 2 The user data queried from the state in the data update test when one of VPs was down

(a) The user data after the Invoke step when VP1 was down. (b) The user data after the Invoke step when VP1 was rebooted. The excerpt user data are shown in Figure 5.

(a)

{"jsonrpc":"2.0","result":{"status":"OK","message":"{\"sleeps\":[{\"awakeAt\":494888400,\"outofBedAt\":494892000,\"gotoBedAt\":494865000,\"asleepAt\":494868600,\"arousalCount\":1,\"id\":\"CEC2DFFB-4C52-4B7D-A22C-65AC19E50FD6\"},{\"awakeAt\":494975700,\"outofBedAt\":494980200,\"gotoBedAt\":494950500,\"asleepAt\":494955000,\"arousalCount\":2,\"id\":\"B1118018-C548-4C84-8B93-9F45171C477B\"},{\"awakeAt\":495578700,\"outofBedAt\":495581400,\"gotoBedAt\":495558000,\"asleepAt\":495560700,\"arousalCount\":0,\"id\":\"37E725CF-C142-44AE-9F9D-FBD859355874\"},{\"awakeAt\":495665100,\"outofBedAt\":495668700,\"gotoBedAt\":495645300,\"asleepAt\":495648900,\"arousalCount\":0,\"id\":\"77409D68-1F8E-4202-9436-A0CB4508246F\"}],\"esses\":[{\"answers\":[2,2,2,2,2,2,2,2],\"date\":494939381},{\"answers\":[2,2,2,3,2,0,2,0],\"date\":495634532},{\"answers\":[2,2,1,3,2,0,2,0],\"date\":496484154}],\"days\":[{\"mistakeCount\":0,\"ess\":{\"answers\":[2,2,2,2,2,2,2,2],\"date\":494939381},\"reviewedEvening\":true,\"day_activity_check_items\":0,\"msec\":0,\"activities\":[{\"id\":0,\"title\":\"Sleep 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(b)

{"jsonrpc":"2.0","result":{"status":"OK","message":"{\"sleeps\":[{\"awakeAt\":494888400,\"outofBedAt\":494892000,\"gotoBedAt\":494865000,\"asleepAt\":494868600,\"arousalCount\":1,\"id\":\"CEC2DFFB-4C52-4B7D-A22C-65AC19E50FD6\"},{\"awakeAt\":494975700,\"outofBedAt\":494980200,\"gotoBedAt\":494950500,\"asleepAt\":494955000,\"arousalCount\":2,\"id\":\"B1118018-C548-4C84-8B93-9F45171C477B\"},{\"awakeAt\":495578700,\"outofBedAt\":495581400,\"gotoBedAt\":495558000,\"asleepAt\":495560700,\"arousalCount\":0,\"id\":\"37E725CF-C142-44AE-9F9D-FBD859355874\"},{\"awakeAt\":495665100,\"outofBedAt\":495668700,\"gotoBedAt\":495645300,\"asleepAt\":495648900,\"arousalCount\":0,\"id\":\"77409D68-1F8E-4202-9436-A0CB4508246F\"},{\"awakeAt\":495753300,\"outofBedAt\":495756900,\"gotoBedAt\":495730800,\"asleepAt\":495734400,\"arousalCount\":0,\"id\":\"697D9052-9F7D-4851-B724-D0868D722F29\"}],\"esses\":[{\"answers\":[2,2,2,2,2,2,2,2],\"date\":494939381},{\"answers\":[2,2,2,3,2,0,2,0],\"date\":495634532},{\"answers\":[2,2,1,3,2,0,2,0],\"date\":496484154},{\"answers\":[1,2,1,3,2,0,2,0],\"date\":496656633},{\"answers\":[1,1,1,3,2,1,1,0],\"date\":497527246}],\"days\":[{\"mistakeCount\":0,\"ess\":{\"answers\":[2,2,2,2,2,2,2,2],\"date\":494939381},\"reviewedEvening\":true,\"day_activity_check_items\":0,\"msec\":0,\"activities\":[{\"id\":0,\"title\":\"Sleep 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