SOS Election Production System Configuration for Web Results Entry, EN Staff Results Entry and Web Queries 11/02/04 Legend - Normal Operations. Secondary Operations within SOS facilities. Hot site operations in event of normal and secondary site failures. Hot stand-by with manual cutover requiring 1 - 10 minutes. Fail points with tested fail over plans are numbered. VJ Masson is primary, Alan Dillman is secondary, for technology issue escalation and resolution decisions. Fail over plans used successfully on election night included 1, 4, 10. Fax **EN Results** SERKDB Election **EN Results** Web 14 Fax Plan & Actual: Content Compag 3000R DataBase 37 Counties 5 3 TaskSmart1 SOS SOCC / Borden Compaq DL380g2 Smart Tech **EN Results Web Entry EN Results On-line Entry EN Results** Cluster Test & Actual: Test & Actual: 6 EN Staff Compaq DL380g2 SQL server On-line Entry Compag 51 Counties 88 Counties Smart Tech Cache Server Wired 100MB IIS .NET EN Results Web Qwe 8 Actual: 150MB **ERAC** 10/29 Test: 15,000 Web Switch 2 9 SerForm VPN 2 - 10 seconds spikes; Results 100 MB 80 - 90MB Compaq DataBase Actual: >150,000 users nominal DL380G2 2 - 14 seconds Alteon AD3 hrs. 9i Oracle Rac CPU: 95 - 99% 2314 - 0130 w/ Web Switch Dual DNS during peak 2 Router Compaq 3000R Web Switch 1 **Public** SERRAC2 9iAS ver1 Wired - 200MB Internet Actual: 250MB spikes; Compag Alteon AD3 170MB - 195MB nominal 10 at 1930 hrs. SOS Wired - 200MB 7 DL380G2 Actual: 170 - 190 nominal: Web Switch 9i Oracle Rac Spikes to 250MB EN Results Web Query/ Replication 3 minutes Dashboard at 2315 hrs. SERRAC3 Target: 10,000 @ hrs. **ORAC** Compaq DL580 TaskSmart2 Implemented Dual DNS 5 seconds 9iAS ver1 Results Smart Tech Wired - 200MB Actual: >250.000 users DataBase Compag Actual: 100 - 120 nominal: 2 - 14 seconds DL380G2 Spikes to 150MB SerEn2 1800 - 0900 hrs Compag Cache Server 9i Oracle Rac Wired 100MB Testing Step 2 Testing Step 1 Actual: 150MB spikes; Mercury Interactive SOS Staff SERRAC4 80 - 90MB nominal Compaq Stress Test Results: SOS Dry Run testing DL380q2 15 CPU: 95 - 99% 10/27 @ 10.000 users: 5 XP Clients running: 5 - 40 seconds HTTP Cache refresh Test & Actual: MS Web App Test Tool Compag SOS requests application changes reset from 2.5 to 15 CPU 5% nominal 500 - 5,000 users DL380G2 Smart Tech to add Presidential Summary minutes on both servers SOS SOCC to confirm Application 9i Oracle Rac Query, other changes to improve Results 8 EN Staff RSS Media Feed to handle load application response time Functionality DataBase at SOCC Training Room AP, UPI, etc. Results: No Errors 10/28, 10/31 @ 15,000 EN Results On-line Entry Tested: 50 users users: 2 - 9 seconds Test & Actual: CPU Actual: 251 users 5% nominal GCR Ltd. - 10 Staff Bryan, Carolyn Moorthy Bob M, Terry Gov Tech - Mike H. Bob M. Terry EN Results Web EN Results On-line Results Web Query Results Web Query. Help Desk Solar Winds Network. TaskSmart Spotlight on Oracle Spotlight on Web Servers

Bandwidth Monitor

Peformance Monitor

Entry by Counties

App. & User Support

(EE, NetScape, Mac)

Response Time Measures

RSS Feed

Application Support

Entry by EN Staff