



## CASE STUDY

**CR Computer technologists save “The Richard Manno Company” over 60% YoY on their business critical data and messaging infrastructure.**

---

### Company Profile

The nations largest government certified shoulder screw manufacturing.

**Industry:** Manufacturing and Engineering  
**Location:** Eastern United States

---

### Technology Environment

Microsoft® Windows 2000 Server, Windows XP Professional, Microsoft Exchange Server 5.5. Red Hat Linux Database server with Providex and VSI Fax.

---

### Business Dilemma

- The client maintained 100% of their manufacturing specification documentation and messaging resources (to include company wide email, contacts, calendaring as well as a Linux integrated automated email materials quoting system) on their Microsoft® Windows 2000 Server with Exchange 5.5.
- The server was experiencing decreasing performance and increasing downtime.
- The client required minimum downtime during the transition and due to their government involvement required high levels of security and reliability.

---

### CR Computer's Technical Solution

- CR Computer's highly skilled professionals certified experts in Microsoft and Linux technologies met with senior management and the software engineering firm. After determining the client's needs and creating a custom solution and getting approval from management CR Computer began to implement the proposed solution.
- CR Computer successfully deployed 2 redundant Dell PowerEdge 2900 III series servers with Red Hat Linux Enterprise 5.
- CR Computer implemented Samba as a PDC Controller with system wide roaming profiles and secure file shares. CR Computer created multiple scripts to prune and transfer all the clients data, user profiles and group memberships from the existing Microsoft Active directory server.
- CR Computer integrated the old Microsoft and new Linux infrastructure as part of their co-existence strategy. CR Computer then deployed the Communicate pro messaging platform and created several scripts to migrate the user accounts, contacts, calendar items, tasks, and four years of email messages.

---

### Client's Return On Investment

- With CR Computer co-existence strategy the client experienced zero downtime.
- By successfully deploying Linux as a PDC and Communicate pro as their messaging platform the client maintained all their outlook functionality as well as realized immediate performance gains.
- Similarly by deploying on the Linux platform the client saved over 40% in yearly licensing and maintenance and as a benefit to deploying new energy saving dell systems the client decreased their energy and cooling costs by 20%.

---

### The Bottom Line

- A direct quote from the Founder Richard Manno says it all "In 30 years of business I have never seen a project go so smoothly, I couldn't be happier."



868 Little East Neck Road  
West Babylon, NY 11704  
631-893-0090