

Scaling Retail Payment and Settlement Systems Using Oracle at NPCI

NPCI is the largest payment clearing house in India and has introduced futuristic innovations with the goal to enable all nationals to go digital. This company has over 300M transactions per year and is on the path to be the second largest financial organization in the world.

Challenges

As a forward-looking organization, NPCI needed storage that supported the growth in high transaction rate applications. They also required storage that did not impact their customer’s experience.

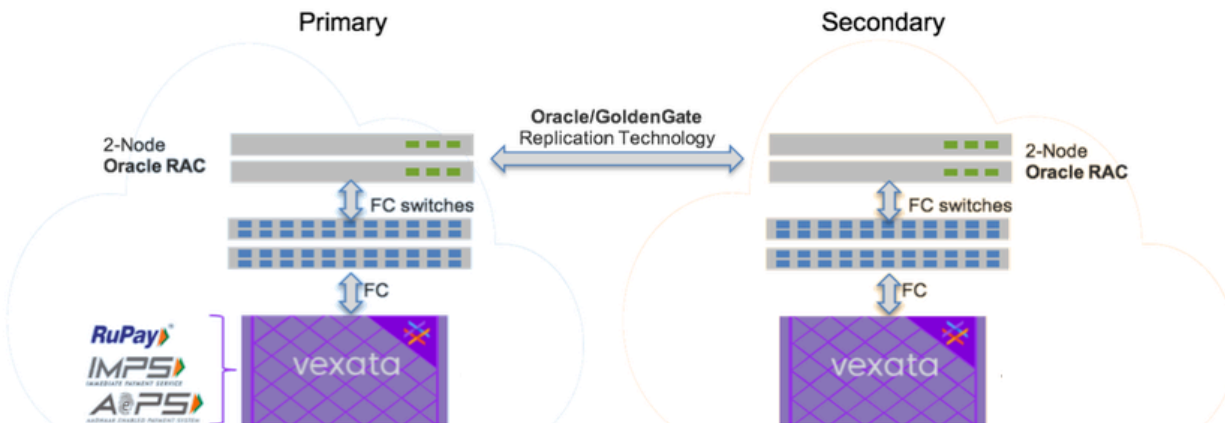
NPCI’s legacy all-flash array (AFA) did not scale performance as capacity increased, so the storage bottlenecked their Oracle server utilization and would impact customer experience. This had the repercussion of affecting their goal of becoming the number two provider in their country. NPCI needed storage that allowed them to scale Oracle users without having to purchase additional servers and licenses. They got a quote from their incumbent storage vendor that included new AFA storage and server hardware. The infrastructure quoted did not address their long-term growth plans, so the customer looked elsewhere.

Results

Vexata exceeded all of NPCI’s performance, scalability, and customer experience concerns with headroom for future needs. They deployed a Vexata VX-100F Scalable NVMe Flash Array to complement their existing storage architecture. NPCI found the Vexata solution was significantly lower in cost than their current vendor’s proposal and provided a five-fold performance boost that allowed the scaling to more Oracle users on their existing servers with their existing Oracle licenses without impact to user experience.

After installing a Vexata VX-100F array, NPCI saw the following benefits:

- **Significant** TCO reduction:
 - Replacement of existing storage infrastructure used in their retail payment and settlement systems
 - Increased number of Oracle users without impacting user experience, acquiring additional servers, and increasing Oracle licensing costs
- **5X** reduction in latency dramatically increased the number of transactions they handled, accelerating the customer’s goal of becoming the second largest financial organization in their country
- **Substantial** decrease in server’s dedicated to Oracle infrastructure enabled the customer to address other strategic initiatives
- **Considerable** decrease of their GoldenGate replication window



ABOUT VEXATA: Founded on the premise that every business is challenged to deliver cognitive, data-intensive applications, Vexata delivers 10x performance AND efficiency improvements at a fraction of the cost of existing all-flash storage solutions.

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