

# IBM Oracle Server Refresh Business Case



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## Project Details

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**Project Name:** IBM Oracle Server Refresh  
**Project Team Leads:**  
**Project Manager:**  
**Project Sponsor:**  
**Project Type:** Infrastructure  
**Related Projects:** Campus wide oracle supported computing environments

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## Project Classification

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### Project Complexity

- High - Deliverables & requirements have elements that are complex and/or the technology is new to campus
- Medium - Deliverables & requirements, & technology are mostly understood
- Low - Deliverables & requirements & technology are well understood

### Project Impact

- High > 1000 users, or significant change, or highly political
- Medium ~ 51-1000 users, or moderate change, or moderate political interest
- Low < 50 users, or minimal change, or minimal political interest

### Project Resources

- High > 10 people, or 1000 hours of effort, or Capital funding > \$100,000
- Medium ~ 5-10 people, or 500-999 hours of effort, or Capital funding
- Low < 5 people, or less than 500 hours of effort, or Capital funding < \$25,000

### Project Urgency

- High - Project has aggressive deadlines
- Medium - Project has a flexible completion date
- Low - Project has no required completion date

### Governance

If high has been selected for any of the classifications above, either Enterprise or Needs Review should be selected.

- Enterprise - high cost, impact, or resources, strategic shift or complex
- Needs Review - project requires additional review and will be sent to the Operations Team
- Local - low dollars and resources, minimal impact

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## Project Overview - What are we doing

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The Enterprise Infrastructure Server Support Team (SST) would like to initiate a project to refresh IBM servers used to run Oracle databases that support campus-wide services. The servers that would be refreshed were purchased in 2012 as part of the migration to Information Technology Facility. The new servers would contain more memory and include other architectural improvements that would assist with the management of the servers.

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## Why should this be done

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Refreshing these servers will ensure continuity of service for Peoplesoft which runs on top of the Oracle databases housed on these servers. It will also provide more robust reporting and data analytics and will alleviate risks involved with running old hardware that is no longer supported by the vendor. It will also allow us to enhance our disaster recovery as we will install the recycled production servers in LC as test/dev servers. The majority of the test/dev/prod Oracle servers are currently housed at ITF since LC didn't have a hardware firewall.

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## How will it be done

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SST will focus on upgrading the production Oracle systems with the greatest expected usage growth. The servers being refreshed would be repurposed as test/dev servers. Currently Oracle test servers run several test instances for the production partners. Adding the repurposed servers to the test/dev server population will allow for enhanced overall load balancing.

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## Project Costs (What will this cost)

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The costs listed below are for the four servers owned by ITS that will be refreshing old equipment. The new servers will include three years of hardware/software maintenance. Year four and five maintenance costs are estimates as we don't currently own any POWER9 servers.

The quote received from the vendor also includes two servers that the College of Dentistry will purchase. Those are not included in costs outlined below as the funds will come from a different source.

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