

**NIMBUS**

# Rebuilding NIMBUS' IT Infrastructure

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# Project Background

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Nimbus is an emerging startup headquartered in Green Bay, Wisconsin that specializes in IoT manufacturing.

Business model focuses on serving both Business and Consumer Markets (B2C and B2B). Our customer base has been steadily growing directly fostering business growth that has been supported using our Technology platform.

Nimbus traditionally ran its infrastructure out of an On-Premise Data Center until a most recent incident.



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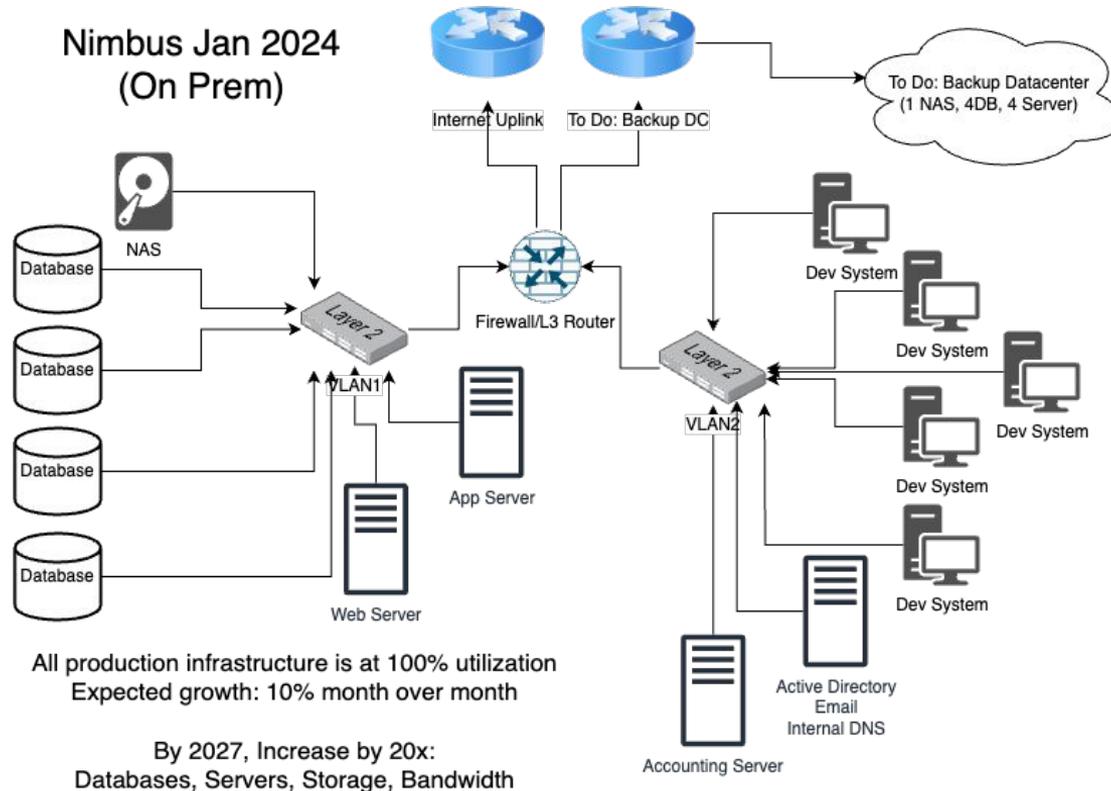
As a startup with limited resources, the company deprioritized building a disaster recovery site.

Unfortunately, what this means is that:

- Business operations have grinded to a halt i.e. significant loss of revenue
- Investors are unhappy because growth plans are stalled
- Loss of customer confidence
- IT team is in a time crunch to rebuild the IT infrastructure in the shortest possible time



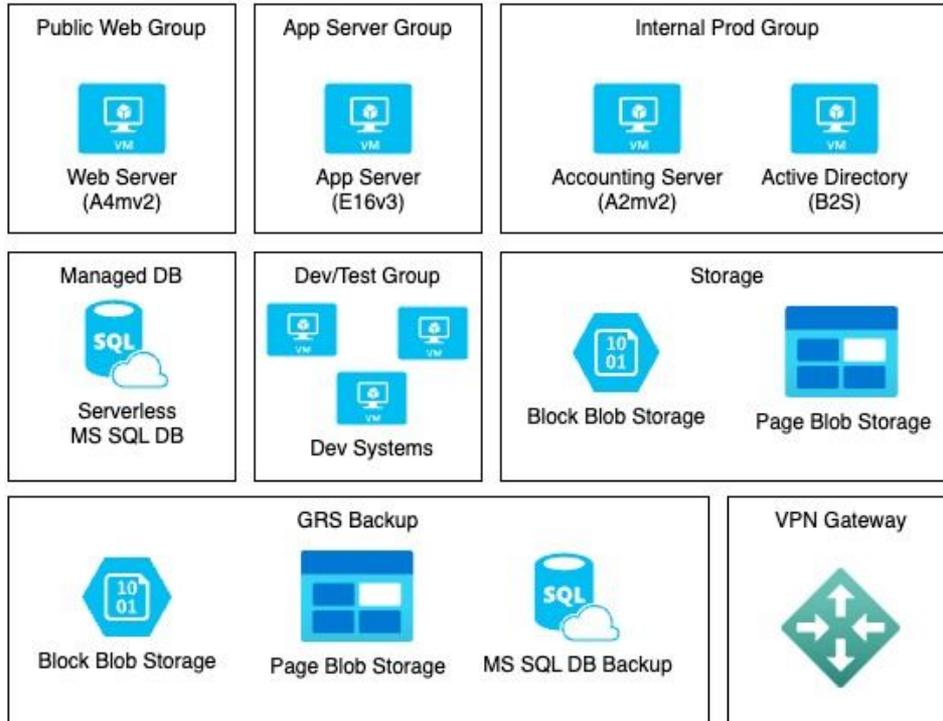
# Previous NIMBUS Architecture





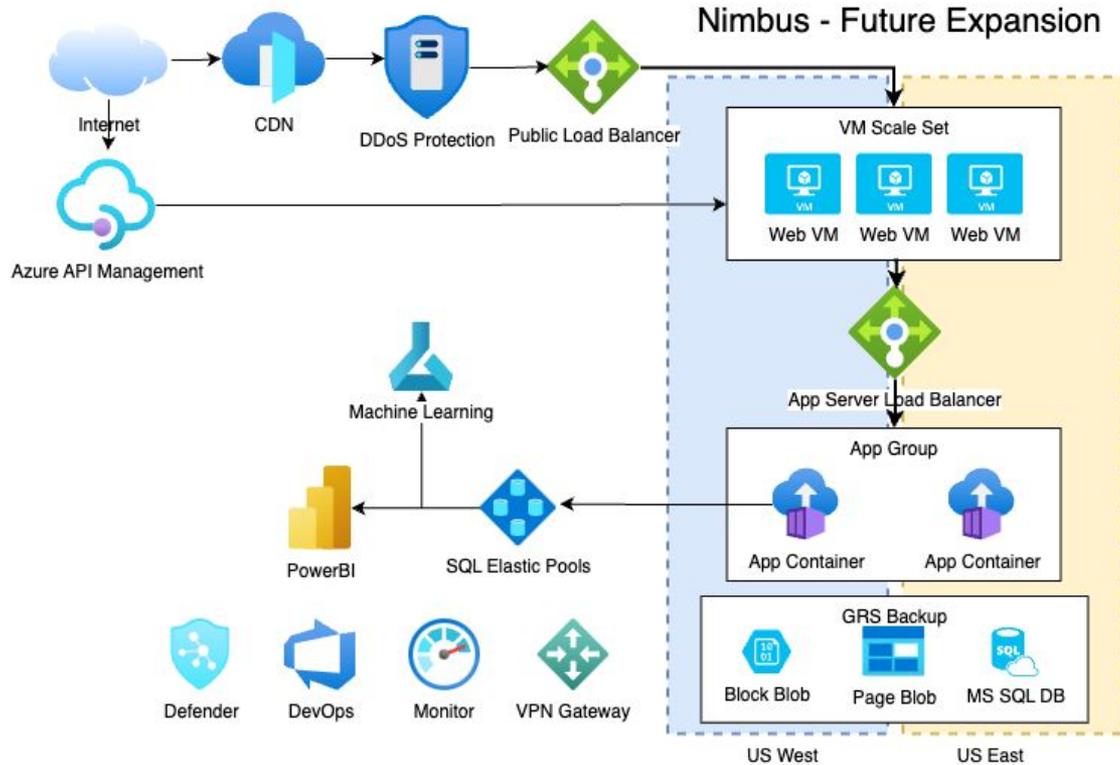
# Proposed Solution - Immediate

## Nimbus Azure Migration





# Proposed Solution - Future





# Financial Analysis

## Projected 5-year spend for Azure Infrastructure

Category	Cost
Compute (Inclusive hardware, software, electricity and database)	\$1,660,207.20
Data Center	\$0.00
Networking	\$92,160.00
Storage and Backup	\$1,749,597.00
IT Labor	\$80,500.00
<b>Total</b>	<b>\$3,582,464.20</b>

This cost comparison results in a calculated savings of approximately 62.72%  $((1 - (\text{Cost of Azure solution} / \text{Cost of on-premises solution})) \times 100\%)$  when choosing Azure over maintaining and expanding an on-premises data center.

## Projected 5-year spend for on-premises infrastructure

Category	Cost
Hardware	\$961,136.00
Software	\$938,136.00
Electricity	\$178,570.00
Database Licenses	\$5,117,760.00
Data Center	\$933,731.70
Networking	\$1,064,990.92
Storage, Backup	\$133,760.00
IT Labor	\$280,600.00
<b>Total</b>	<b>\$9,608,684.62</b>



# Expected Benefits

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- **Accelerated Recovery**
  - Concurrent setup of primary & DR sites in 4 weeks
  - Minimizes downtime, further revenue loss & customer erosion
- **Cost Optimization**
  - Leverage existing Windows & SQL Server licenses
  - Pay-as-you-go model, no upfront costs
  - Resource optimization tools to reduce operational costs
- **Seamless Scalability**
  - Accommodate projected 20x growth over 3 years
  - Eliminate capacity constraints & bottlenecks
- **Disaster Recovery & Business Continuity**
  - Robust security, compliance & availability guarantees
  - Best-in-class backup, recovery & failover services
- **Enhanced Architecture**
  - DDoS protection, service monitoring, load balancing
  - Improved security, reliability, high availability, fault tolerance



# Request for Funds

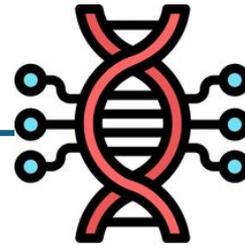
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Our proposed approach eliminates the need for an upfront capital expenditure of up to \$35,000 and prevents a further delay that would be caused by hardware procurement and shipping.

Considering that the business is experiencing difficulties with cash flow, this solution also provides the cost flexibility required to solve this critical problem.

To this end, we request your consideration and approval of a **first year budget of \$104,937.84**, paid out **monthly at \$8,744.82**, to establish and scale our cloud infrastructure on Azure.

Time is of the essence and a speedy approval will mean immediate commencement of recovery efforts.



**NIMBUS**

**Thanks for listening!**

**Questions?**

