



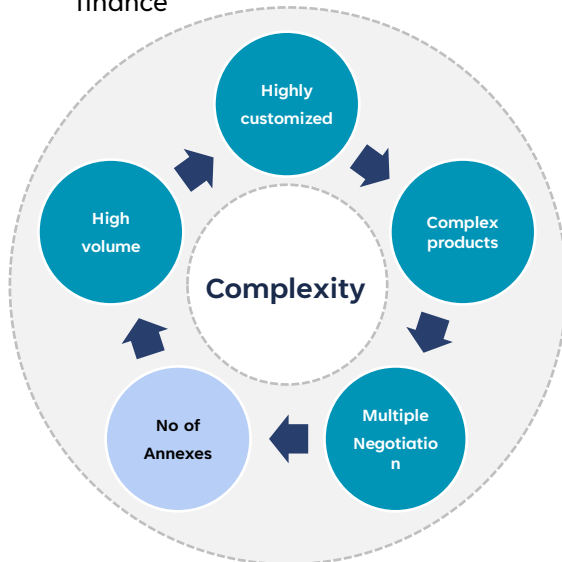
Smart Finance Analyzer

Powered by – WeGA

Smart Finance Analyzer

→ Problem Statement

- Banks need to process multiple financial contracts on daily basis which has huge volume
- Reading each document every day is labor intensive task
- Oversighting a key element in the document can expose risk to the bank
- Slippage on any schedule also can draw penalties to the banking and finance



→ Solution Objectives

- Solution to read, grasp and provide the extracts of the documents to the legal ,finance and Risk & Compliance team.
- Trained based on the regulatory guidelines depending on the document type and regulations.
- A chatbot for the user to ask any query specific to doc instead of reading the doc.
- Tailor to the specific needs of each team and domain
- Provide the capability to generate the fresh financial contracts.

→ Solution

- SFA solution based on “New 5th Gen Intel® Xeon®-D16ldsv6 VM”, Azure Cloud Server, Gen AI and LLM.
- UI to have an option to upload a financial contract documents e.g. ISDA, Trade Finance etc.
- GEN AI based conversational AI for business users and admin to interact and seek responses based on underline financial document.
- Ability to summarize the uploaded financial documents.
- Processing financial documents which has dynamic content.
- Ability to upload, extract, Interact with underline document via Chatbot.

Benefits

Efficiency and Speed

Gen AI and Xeon Intel quickly processing large volumes of banking contracts, significantly reducing the time required compared to manual review.

On Avg save daily 4/5 hour per user and performance is up to 4x higher than the SKU V2.

Gen AI SFA apps can operate 24/7, enabling continuous contract processing without downtime.

Intel 5th Gen Xeon Processor (D16ldsv6)

General Availability of the new Azure General Purpose and **Memory Optimized Virtual Machines powered by the 5th Gen Intel® Xeon® processor**.

The **General-Purpose families include D1sv6, D1dsv6, Dsv6, and Ddsv6-series**. The **Memory Optimized families include Esv6 and Edsv6-series**. We have selected **D16ldsv6 with (16 CPU)** for our SFA.

Improved Decision Making

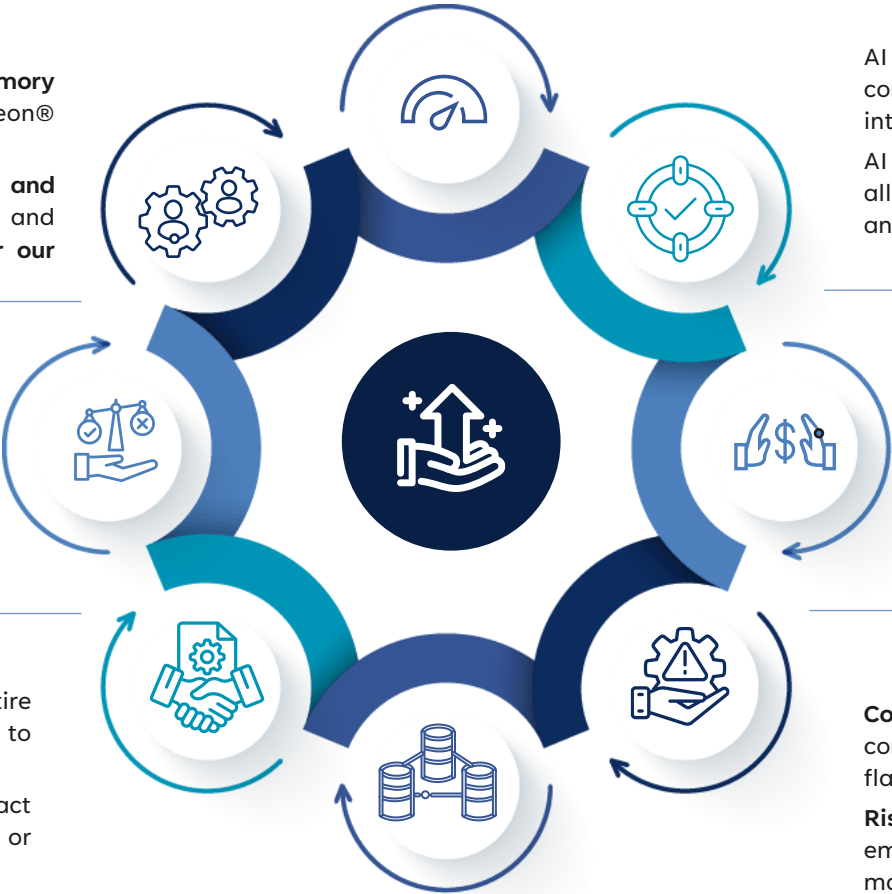
Insights and Analytics: Gen AI can provide actionable insights based on the analysis of contract data, helping organizations make informed decisions.

Scenario Analysis: AI can simulate different scenarios based on contract terms and market conditions, aiding in strategic planning and risk mitigation.

Enhanced Contract Management

Lifecycle Management: AI can assist in managing the entire contract lifecycle, from initial drafting and negotiation to execution and compliance monitoring.

Contract Renewal and Termination: AI can monitor contract terms and notify relevant parties of upcoming renewals or termination dates.



Accuracy and Consistency up to 99%

AI reduces human errors that can occur during manual contract review, ensuring more accurate extraction and interpretation of contract terms.

AI tools apply the same rules and logic consistently across all contracts, ensuring uniformity in contract interpretation and compliance

Cost Savings up to 50%

Reduced Labor Costs: Automating contract processing can lower the costs associated with employing large teams of legal professionals for contract review.

Scalability: AI tools can handle increasing volumes of contracts without a proportional increase in costs.

Risk Management

Compliance Monitoring: AI can automatically check contracts for compliance with regulatory requirements and flag any discrepancies or potential compliance issues

Risk Assessment: AI can identify and assess risks embedded in contract terms, such as exposure to certain market conditions or counterparty risks.

Reporting and Analysis

Structured Data Extraction: AI can extract and structure relevant data from ISDA contracts, facilitating easier analysis and reporting.

Dldsv6 sizes series

Dldsv6-series virtual machines run on the 5th Generation Intel® Xeon® Platinum 8573C (Emerald Rapids) processor reaching an all-core turbo clock speed of up to 3.0 GHz. **These virtual machines offer up to 128 vCPU and 256 GiB of RAM as well as fast, local SSD storage up to 4x1760 GiB..**

Faster Contract Processing

The powerful processing of Xeon processor enable faster processing of high volume of financial contracts.

Improved Accuracy

AI Acceleration technologies improving the accuracy of Gen AI LLM models used for contract analysis, reducing the risk error.

Enhanced Security

Hardware based security features helping to protect sensitive financial data, ensuring compliance with regulatory requirements.

Better Scalability

Intel Xeon scale to meet the demands of growing financial institutions, allowing them to handle increasing volume of contract data.

Support for Generation 2 VMs on Azure

Generation 2 VMs support key features that aren't supported in Generation 1 VMs.

These features include increased memory, Intel Software Guard Extensions (Intel SGX), and virtualized persistent memory (vPMEM). Generation 2 VMs running on-premises

Up to

4x

Higher Speed

Compare to SKU V2 Instance

Available

50 regions

starting from \$644.59 per month on Azure VM

Nested virtualization

Hyper-V

Reducing deployment times & faster and more secure

Support for

Generation 2

VMs on Azure

Up to

3x Better

prompt response
Compare to SKU V2 Instance

Powerful Processing Capability

Intel Xeon D16ldsv6 processor designed for demanding workload including AI, ML and Gen AI.

Xeon offer high core counts, high clock speeds and sustainable cache memory all capabilities crucial for intensive computational involved in Gen AI SFA Application.

Gen AI SFA NLP tasks required significant processing power to handle large volume of text and complex model like LLM.

AI Acceleration

Intel Xeon has AI acceleration technology in its processor such AMX, which boost the performance of Gen AI for SFA

Memory bandwidth and Capacity

SFA involved processing massive volume of data, Intel Xeon supported high memory bandwidth and capacity, which support SFA for handling LLM model and complete financial data.

Security Features

Intel processor include hardware –based security features that can help and protect sensitive financial data.

Which needed to comply with strict regulatory requirements.

Nested virtualization

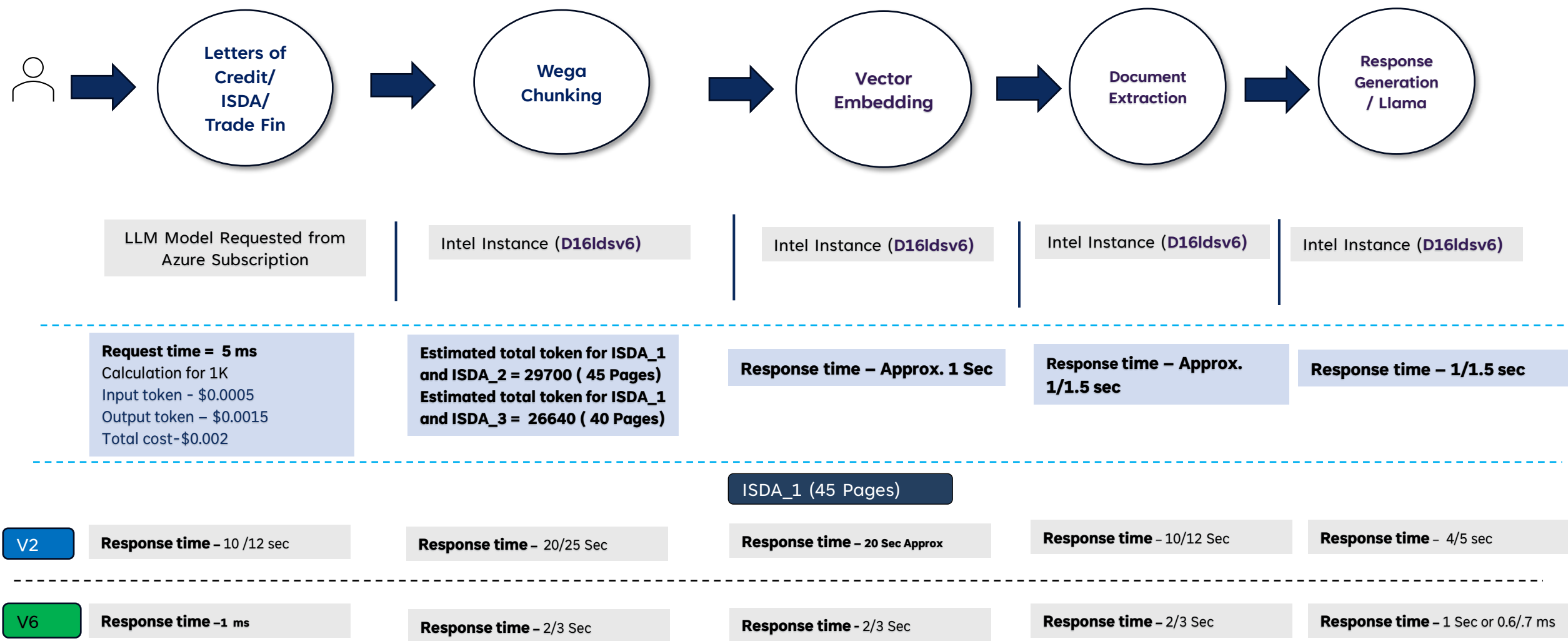
Hyper-V inside a Hyper-V virtual machine (VM). hardware has improved and the use cases for Nested Virtualization have expanded.

Nested Virtualization can be useful for:

- Running applications in a nested VM.
- Reducing deployment times for training environments.
- **Modern processors include hardware features that make virtualization faster and more secure.**
- Hyper-V relies on these processor extensions to run virtual machines, for example, Intel VT-x and AMD-V. Nested virtualization makes this hardware support available to guest virtual machines

SFA login

Intel Server Configuration and LLM Model





Thank you...!