

## RAG Evaluation

Five questions to test RAG system. They are mixed with different levels of difficulty.

1. What was the company's total revenue for the most recent year?

(Easy) Test ability to retrieve basic financial data from the income statement.

2. What is the company's reported net income or loss for the most recent quarter?

(Easy) Another direct number lookup from the income statement.

3. What were the main reasons for changes in operating expenses the recent year compared to the prior year?

(Medium) Requires finding commentary in the Management's Discussion and Analysis (MD&A) section.

4. Has the company's total debt increased or decreased this recent year, and by how much?

(Medium) Requires comparing balance sheet figures or management explanation.

5. How does management evaluate the company's competitive position in the market, and what specific actions are being taken to address competitive pressures?

(Hard) Requires synthesis across strategy discussion, MD&A, and potentially risk disclosures.

## Prompt 1

Prompt detail: [https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system\\_prompt\\_1.txt](https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system_prompt_1.txt)

Evaluation result:

### Chat playground

Help

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#### Setup

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Deployment \*  
gpt-4o (version:2024-11-20)  
Create new deployment

Give the model instructions and context  
You are a professional financial analyst AI specialised in reading and extracting insights from official SEC filings, particularly 10-Q quarterly reports.  
When given a 10-Q document (or its text excerpt), extract and organise the following information clearly and accurately.  
Apply changesGenerate prompt

+ Add section

Few shot examples are not used when source data has been added. Any previous examples have been cleared. Once data is removed, then examples can be added.

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Data source: Azure AI Search

Search Resource: ai-search-pl

Index: indexing-10q

Advanced settings

#### Chat history

Response format: Text

What was the company's total revenue for the most recent year?

The company's total revenue for the most recent year, as reported for the nine months ended October 27, 2024, was **\$91.166 billion**. This represents a significant increase compared to \$38.819 billion for the same period in the prior year, reflecting a growth of **135%** year-over-year <sup>1</sup>.  
1 references

What is the company's reported net income or loss for the most recent quarter?

The company's reported net income for the most recent quarter, which ended on **October 27, 2024**, was **\$19.309 billion**. This represents a **109% increase** compared to the net income of \$9.243 billion for the same quarter in the prior year <sup>1 2</sup>.  
2 references

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

Type user query here. (Shift + Enter for new line)

509/128000 tokens to be sent

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Search Resource: ai-search-pl

Index: indexing-10q

Advanced settings

Chat history

Response format

Text

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for the increase in operating expenses in the recent year compared to the prior year were:

- Research and Development (R&D) Expenses: R&D expenses increased by 48% year-over-year, driven by:
  - A 29% and 32% increase in compensation and benefits, including stock-based compensation, reflecting employee growth and higher compensation.
  - A 107% and 113% increase in compute and infrastructure costs.
  - A 317% and 209% increase in engineering development costs related to new product introductions for the third quarter and first nine months of fiscal year 2025, respectively.
- Sales, General, and Administrative (SG&A) Expenses: SG&A expenses rose by 30% year-over-year, primarily due to higher compensation and benefits, including stock-based compensation, reflecting employee growth and compensation increases.

Overall, total operating expenses increased by 44% year-over-year, amounting to \$11.716 billion for the first nine months of fiscal year 2025 compared to \$8.152 billion in the prior year <sup>1 2</sup>.

2 references

Has the company's total debt increased or decreased this recent year, and by how much?

Type user query here. (Shift + Enter for new line)

915/128000 tokens to be sent

Chat playground

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Chat history

Response format

Text

Has the company's total debt increased or decreased this recent year, and by how much?

The company's total debt (including both short-term and long-term debt) decreased during the recent year.

- As of October 27, 2024, the total debt was \$8.462 billion (entirely long-term debt, as short-term debt was reduced to zero).
- This is a reduction from \$9.709 billion as of January 28, 2024 (comprising \$8.459 billion in long-term debt and \$1.250 billion in short-term debt).

The total debt decreased by \$1.247 billion over the period <sup>1</sup>.

1 references

How does management evaluate the company's competitive position in the market, and what specific actions are being taken to address competitive pressures?

Management evaluates the company's competitive position in the market by closely monitoring regulatory developments, customer demand, supply chain dynamics, and geopolitical factors. Specific actions being taken to address competitive pressures include:

- Regulatory Adaptation: Management recognizes that regulatory changes, particularly U.S. government export controls, have

Type user query here. (Shift + Enter for new line)

1328/128000 tokens to be sent

## Prompt 2

Prompt detail: [https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system\\_prompt\\_2.txt](https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system_prompt_2.txt)

Evaluation result:

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### Setup

Deployment + Create new deployment

`gpt-4o (version:2024-11-20)`

Give the model instructions and context

Format:

- Bullet points or short paragraphs.
- Quote numbers or key phrases where possible.
- Write "Not disclosed" if info is missing.
- Keep tone professional and concise.

[Apply changes](#) [Generate prompt](#)

[+ Add section](#)

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Data source: `Search Resource: Azure AI Search ai-search-pl`

Index: `indexing-10q`

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### Chat history

[Response format](#) `Text`

What was the company's total revenue for the most recent year?

The company's total revenue for the most recent year-to-date period, as of October 27, 2024, was **\$91,166 million**.

> 1 references

What is the company's reported net income or loss for the most recent quarter?

The company's reported net income for the most recent quarter, ending October 27, 2024, was **\$19,309 million**.

> 1 references

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for changes in operating expenses for the recent year compared to the prior year are as follows:

Type user query here. (Shift + Enter for new line)

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Give the model instructions and context

Format:

- Bullet points or short paragraphs.
- Quote numbers or key phrases where possible.
- Write "Not disclosed" if info is missing.
- Keep tone professional and concise.

Apply changes

Generate prompt

+ Add section

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Data source:

Search Resource:

Azure AI Search ai-search-pl

Index:

indexing-10q

Advanced settings

Chat history

The company's reported net income for the most recent quarter, ending October 27, 2024, was **\$19,309 million** <sup>1</sup>.

> 1 references

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for changes in operating expenses for the recent year compared to the prior year are as follows:

- **Research and Development (R&D) Expenses:** Increased by **48%** due to a **29-32% rise in compensation and benefits**, including stock-based compensation, reflecting employee growth and compensation increases. Additionally, there was a **107-113% increase in compute and infrastructure costs** and a **317-209% increase in engineering development costs** associated with new product introductions <sup>1</sup>.
- **Sales, General, and Administrative (SG&A) Expenses:** Increased by **30%**, primarily driven by higher compensation and benefits, including stock-based compensation, due to employee growth and compensation increases <sup>1</sup>.

Overall, total operating expenses rose by **44%**, reflecting the significant growth in R&D and SG&A spending <sup>1</sup>.

> 1 references

Type user query here. (Shift + Enter for new line)

451/128000 tokens to be sent

## Chat playground

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Setup

Deployment \*

+ Create new deployment

gpt-4o (version:2024-11-20)

Give the model instructions and context

Format:

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- Write "Not disclosed" if info is missing.
- Keep tone professional and concise.

Apply changes

Generate prompt

+ Add section

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Data source:

Search Resource:

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Index:

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Advanced settings

Chat history

Has the company's total debt increased or decreased this recent year, and by how much?

The company's total debt has **decreased** during the recent year. As of October 27, 2024, the total debt is reported at **\$8,462 million**, compared to **\$9,709 million** as of January 28, 2024. This represents a decrease of **\$1,247 million** <sup>1</sup>.

> 1 references

How does management evaluate the company's competitive position in the market, and what specific actions are being taken to address competitive pressures?

Management evaluates the company's competitive position in the market through several lenses, including its ability to adapt to regulatory changes, manage product transitions, and address geopolitical challenges:

- **Regulatory Challenges:** The company acknowledges that its competitive position has been negatively affected by U.S. government export controls on its products, particularly those sold to China and other restricted regions. Management is addressing these pressures by ramping up new products specifically designed for the Chinese market that do not require export licenses. Additionally, the company is expanding its Data Center product portfolio to include solutions that are not subject to these restrictions <sup>1</sup>.

Type user query here. (Shift + Enter for new line)

834/128000 tokens to be sent

Prompt 3

Prompt detail: [https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system\\_prompt\\_3.txt](https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system_prompt_3.txt)

Evaluation result:

View code

Deploy

Import

Export

Setup

Deployment

gpt-4o (version:2024-11-20)

Give the model instructions and context

Provide bullet-point reasons supporting your conclusion.

Instructions:

Focus only on information provided. No external data or assumptions.

Use a professional and concise style.

If data is missing, state "Not disclosed."

Apply changes

Generate prompt

Add section

Few shot examples are not used when source data has been added. Any previous examples have been cleared. Once data is removed, then examples can be added.

Add your data

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Data source:

Search Resource:

Azure AI Search

ai-search-pl

Index:

indexing-10q

Chat history

What was the company's total revenue for the most recent year?

The company's total revenue for the most recent nine months ended October 27, 2024, was **\$91.166 billion** <sup>1</sup>.

1 references

What is the company's reported net income or loss for the most recent quarter?

The company's reported net income for the most recent quarter ended October 27, 2024, was **\$19.309 billion** <sup>1</sup>.

1 references

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for the increase in operating expenses during the most recent year compared to the prior year were:

Type user query here. (Shift + Enter for new line)

975/128000 tokens to be sent

Chat playground

Help

View code

Deploy

Import

Export

Setup

Deployment

gpt-4o (version:2024-11-20)

Give the model instructions and context

Provide bullet-point reasons supporting your conclusion.

Instructions:

Focus only on information provided. No external data or assumptions.

Use a professional and concise style.

If data is missing, state "Not disclosed."

Apply changes

Generate prompt

Add section

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Data source:

Search Resource:

Azure AI Search

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Index:

indexing-10q

Chat history

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for the increase in operating expenses during the most recent year compared to the prior year were:

1. Research and Development (R&D) Expenses:

R&D expenses increased by 48%, driven by:

A 29% increase in compensation and benefits, including stock-based compensation, reflecting employee growth and compensation increases.

A 107% increase in compute and infrastructure costs.

A 317% increase in engineering development costs for new product introductions <sup>1</sup>.

2. Sales, General, and Administrative (SG&A) Expenses:

SG&A expenses increased by 30%, primarily due to:

Higher compensation and benefits, including stock-based compensation, reflecting employee growth and compensation increases <sup>1</sup>.

1 references

Has the company's total debt increased or decreased this recent year, and by how much?

The company's total debt (short-term debt + long-term debt) has **decreased** during the recent year.

Type user query here. (Shift + Enter for new line)

975/128000 tokens to be sent

View code

Deploy

Import

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Setup

Deployment

gpt-4o (version:2024-11-20)

Create new deployment

Give the model instructions and context

- Provide bullet-point reasons supporting your conclusion.

Instructions:

- Focus only on information provided. No external data or assumptions.

- Use a professional and concise style.

- If data is missing, state "Not disclosed."

Apply changes

Generate prompt

Add section

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Add your data

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Data source: Azure AI Search

Search Resource: ai-search-pl

Index: indexing-10q

Advanced settings

Chat history

Has the company's total debt increased or decreased this recent year, and by how much?

The company's total debt (short-term debt + long-term debt) has **decreased** during the recent year.

- As of October 27, 2024, the total debt was **\$8.462 billion** (long-term debt only, as short-term debt was \$0).
- As of January 28, 2024, the total debt was **\$9.709 billion** (\$1.250 billion short-term debt + \$8.459 billion long-term debt).

This represents a **decrease of \$1.247 billion** in total debt over the period <sup>1</sup>.

1 references

How does management evaluate the company's competitive position in the market, and what specific actions are being taken to address competitive pressures?

Management evaluates the company's competitive position in the market primarily through its ability to innovate, adapt to geopolitical trade restrictions, and address regulatory concerns. Specific actions being taken to address competitive pressures include:

1. **Adapting to Export Controls:**

- The company expanded its Data Center product portfolio with new solutions that do not require U.S. government export

Type user query here. (Shift + Enter for new line)

975/128000 tokens to be sent



## Prompt 4

Prompt detail: [https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system\\_prompt\\_4.txt](https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system_prompt_4.txt)

Evaluation result:

### Chat playground

View code

Deploy

Import

Export

Setup

Deployment \*

gpt-4o (version:2024-11-20)

Give the model instructions and context

Conclusion for Investment Outlook:

- State clearly whether the company is Good, Bad, or Neutral for investment over the next 12 months, and provide the confident score in percentage.
- Use DCF model to calculate target price in the next 12 months.
- Provide bullet-point reasons supporting your conclusion.

Apply changes

Generate prompt

Add section

Few shot examples are not used when source data has been added. Any previous examples have been cleared. Once data is removed, then examples can be added.

Add your data

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Data source: Azure AI Search

Search Resource: ai-search-pl

Index: indexing-10q

Advanced settings

Chat history

Response format: Text

What was the company's total revenue for the most recent year?

The company's total revenue for the most recent year, as reported, was \$91.166 billion for the nine months ended October 27, 2024 <sup>1</sup>.

> 1 references

what is the company's reported net income or loss for the most recent quarter?

The company's reported net income for the most recent quarter ended October 27, 2024, was **\$19.309 billion** <sup>1</sup>.

> 1 references

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for the increase in operating expenses in the recent year compared to the prior year were:

Type user query here. (Shift + Enter for new line)

657/128000 tokens to be sent

### Chat playground

View code

Deploy

Import

Export

Setup

Deployment \*

gpt-4o (version:2024-11-20)

Give the model instructions and context

Conclusion for Investment Outlook:

- State clearly whether the company is Good, Bad, or Neutral for investment over the next 12 months, and provide the confident score in percentage.
- Use DCF model to calculate target price in the next 12 months.
- Provide bullet-point reasons supporting your conclusion.

Apply changes

Generate prompt

Add section

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Data source: Azure AI Search

Search Resource: ai-search-pl

Index: indexing-10q

Advanced settings

Chat history

Response format: Text

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for the increase in operating expenses in the recent year compared to the prior year were:

- Research and Development (R&D) Expenses:**
  - R&D expenses increased by 48% year-over-year, rising from \$6.21 billion in the prior year to \$9.2 billion in the current year.
  - This was driven by:
    - A 32% increase in compensation and benefits (including stock-based compensation), reflecting employee growth and higher compensation levels.
    - A 113% increase in compute and infrastructure costs.
    - A 209% increase in engineering development costs for new product introductions <sup>1</sup>.
- Sales, General, and Administrative (SG&A) Expenses:**
  - SG&A expenses increased by 30% year-over-year, growing from \$1.94 billion in the prior year to \$2.52 billion in the current year.
  - This increase was primarily due to higher compensation and benefits (including stock-based compensation) resulting from employee growth and increased compensation levels <sup>1</sup>.

Overall, total operating expenses rose by 44% year-over-year, from \$8.15 billion in the prior year to \$11.72 billion in the current year, primarily due to the aforementioned factors in R&D and SG&A costs <sup>1</sup>.

> 1 references

Type user query here. (Shift + Enter for new line)

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Deployment

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gpt-4o (version:2024-11-20)

Give the model instructions and context

Conclusion for Investment Outlook:

- State clearly whether the company is Good, Bad, or Neutral for investment over the next 12 months, and provide the confident score in percentage.
- Use DCF model to calculate target price in the next 12 months.
- Provide bullet-point reasons supporting your conclusion.

Apply changes

Generate prompt

Add section

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Advanced settings

Chat history

Response format Text

Has the company's total debt increased or decreased this recent year, and by how much?

The company's total debt has **decreased** this recent year. As of October 27, 2024, the total debt was **\$8.462 billion**, compared to **\$9.709 billion** as of January 28, 2024, reflecting a decrease of **\$1.247 billion**<sup>1</sup>.

1 references

How does management evaluate the company's competitive position in the market, and what specific actions are being taken to address competitive pressures?

Error

Rate Limit Exceeded.  
Adjust your tokens per minute rate limit in Deployments ([link](#)) or try again later.

How does management evaluate the company's competitive position in the market, and what specific actions are being taken to address competitive pressures?

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Give the model instructions and context

Conclusion for Investment Outlook:

- State clearly whether the company is Good, Bad, or Neutral for investment over the next 12 months, and provide the confident score in percentage.
- Use DCF model to calculate target price in the next 12 months.
- Provide bullet-point reasons supporting your conclusion.

Apply changes

Generate prompt

Add section

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Advanced settings

Chat history

Response format Text

How does management evaluate the company's competitive position in the market, and what specific actions are being taken to address competitive pressures?

Management evaluates the company's competitive position as being impacted by several factors, including regulatory changes, geopolitical tensions, and product innovation. Here are the key points:

1. Evaluation of Competitive Position:

- Management acknowledges that the company's competitive position has been harmed by regulatory changes, such as U.S. government export controls on advanced computing products, which restrict the sale of certain products to regions like China and other countries in Country Groups D1, D4, and D5<sup>1 2</sup>.
- These export controls have placed NVIDIA at a disadvantage against competitors whose products are not subject to similar restrictions or who may acquire necessary licenses<sup>2</sup>.

2. Actions to Address Competitive Pressures:

- Product Portfolio Adaptation:** NVIDIA has expanded its Data Center product portfolio to include new solutions that are not subject to export license requirements, allowing continued growth in regions like China despite restrictions. For instance, the company has introduced products specifically designed for markets impacted by export controls<sup>1 2</sup>.
- Operational Adjustments:** NVIDIA has transitioned certain operations, such as testing, validation, and supply and distribution, out of restricted regions like China and Hong Kong to comply with new regulations and mitigate operational risks<sup>2</sup>.
- Licensing Efforts:** The company continues to seek licenses for restricted products when necessary, although the process is

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## Prompt 5

Prompt detail: [https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system\\_prompt\\_5.txt](https://github.com/NONTAWAT149/azure-q10-report-extraction/blob/main/system_prompt_5.txt)

Evaluation result:

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Setup

Deployment [+ Create new deployment](#)

gpt-4o (version:2024-11-20)

Give the model instructions and context

- Management Discussion:

Conclusion for Investment Outlook:

- State clearly whether the company is Good, Bad, or Neutral for investment over the next 12 months, and provide the confident score in percentage.
- Provide bullet-point reasons supporting your conclusion.

[Apply changes](#) [Generate prompt](#)

[+ Add section](#)

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Data source: Search Resource:

Azure AI Search ai-search-pl

Index:

indexing-10q

Chat history

What was the company's total revenue for the most recent year?

The company's total revenue for the most recent year (nine months ended October 27, 2024) was **\$91.166 billion** <sup>1</sup>.  
> 1 references

What is the company's reported net income or loss for the most recent quarter?

The company's reported net income for the most recent quarter (three months ended October 27, 2024) was **\$19.309 billion** <sup>1</sup>.  
> 1 references

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for changes in operating expenses in the recent year compared to the prior year include:  
Type user query here. (Shift + Enter for new line)

490/128000 tokens to be sent

### Chat playground

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gpt-4o (version:2024-11-20)

Give the model instructions and context

- Management Discussion:

Conclusion for Investment Outlook:

- State clearly whether the company is Good, Bad, or Neutral for investment over the next 12 months, and provide the confident score in percentage.
- Provide bullet-point reasons supporting your conclusion.

[Apply changes](#) [Generate prompt](#)

[+ Add section](#)

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Data source: Search Resource:

Azure AI Search ai-search-pl

Index:

indexing-10q

Chat history

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for changes in operating expenses in the recent year compared to the prior year include:

- 1. Research and Development (R&D) Expenses:**
  - Increased by 48% year-over-year due to a 29% rise in compensation and benefits, including stock-based compensation, driven by employee growth and compensation increases.
  - There was also a 107% increase in compute and infrastructure costs and a 317% increase in engineering development costs for new product introductions <sup>1</sup>.
- 2. Sales, General, and Administrative (SG&A) Expenses:**
  - Increased by 30% year-over-year, mainly driven by higher compensation and benefits, including stock-based compensation, as a result of employee growth and compensation increases <sup>1</sup>.

These increases reflect the company's focus on expanding its workforce, investing in new product development, and scaling its operations.

  
> 1 references

Has the company's total debt increased or decreased this recent year, and by how much?

Type user query here. (Shift + Enter for new line)

490/128000 tokens to be sent

## Chat playground

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Import

Export

Setup

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Deployment \*

Create new deployment

gpt-4o (version:2024-11-20)

Give the model instructions and context

Management Discussion:

Conclusion for Investment Outlook:

State clearly whether the company is Good, Bad, or Neutral for investment over the next 12 months, and provide the confident score in percentage.

Provide bullet-point reasons supporting your conclusion.

Apply changes

Generate prompt

Add section

Few shot examples are not used when source data has been added. Any previous examples have been cleared. Once data is removed, then examples can be added.

Add your data

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Data source: Search Resource:

Azure AI Search ai-search-pl

Index:

indexing-10q

Advanced settings

Chat history

Response format

Text

Has the company's total debt increased or decreased this recent year, and by how much?

The company's total debt has **decreased** during the recent year. As of October 27, 2024, the total debt (sum of short-term and long-term debt) was **\$8.462 billion**, compared to **\$9.709 billion** as of January 28, 2024. This represents a **decrease of \$1.247 billion** <sup>1</sup>.

1 references

How does management evaluate the company's competitive position in the market, and what specific actions are being taken to address competitive pressures?

Management evaluates the company's competitive position in the market by monitoring various factors, including regulatory developments, customer demand, and product innovations. Specific actions being taken to address competitive pressures include:

**1. Product Portfolio Expansion:**  
Management has expanded the company's data center product portfolio to include solutions specifically designed for markets impacted by U.S. government export controls, such as China. This includes ramping up new products that do not require export licenses, allowing the company to maintain competitiveness in restricted markets <sup>1</sup>.

Type user query here. (Shift + Enter for new line)

807/128000 tokens to be sent

## Chat playground

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**2. Regulatory Adaptation:**  
The company is actively responding to geopolitical and regulatory changes, such as new U.S. export controls and global AI regulations. It has designed products that comply with these requirements and continues to engage with the U.S. government to seek licenses for restricted products <sup>1</sup>.

**3. Focus on Innovation:**  
Management continues to allocate significant engineering development resources to drive innovation and maintain a competitive edge. This includes the development of new products and architectural advancements to meet customer demand and stay ahead in the market <sup>2</sup>.

**4. Addressing Supply Chain Challenges:**  
To mitigate supply-demand mismatches, the company works closely with suppliers and partners to improve forecasting accuracy and ensure inventory aligns with customer needs. This focus helps address competitive pressure by maintaining timely and

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## Prompt 6 (additional)

### Prompt detail:

Act as a professional investment analyst AI. Analyse the provided 10-Q text and perform the following:

Instruction:

(1) check from key insights from these areas:

- Financial Performance
- Business Operations
- Risk Factors
- Management Discussion

(2) **Answer the question like to 5 year-old child.**

### Evaluation result:

### Chat playground

View codeDeployImportExport

Deployment \*  
gpt-4o (version:2024-11-20)

Give the model instructions and context  
- Financial Performance  
- Business Operations  
- Risk Factors  
- Management Discussion  
(2) Answer the question like to 5 year-old child.  
Apply changesGenerate prompt

+ Add section

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Data source: Azure AI Search  
Search Resource: ai-search-pl  
Index: indexing-10q  
Advanced settings

Chat history

What was the company's total revenue for the most recent year?  
The company's total revenue for the most recent year was **\$91.166 billion**.  
> 2 references

What is the company's reported net income or loss for the most recent quarter?  
The company's reported net income for the most recent quarter (three months ending October 27, 2024) was **\$19.309 billion**.  
> 2 references

What were the main reasons for changes in operating expenses the recent year compared to the prior year?  
The main reasons for the changes in operating expenses during the recent year compared to the prior year were:  
Type user query here. (Shift + Enter for new line)

469/128000 tokens to be sent

## Chat playground

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gpt-4o (version:2024-11-20)

Give the model instructions and context

- Financial Performance

- Business Operations

- Risk Factors

- Management Discussion

(2) Answer the question like to 5 year-old child.

Apply changes

Generate prompt

Add section

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Chat history

Response format

Text

What were the main reasons for changes in operating expenses the recent year compared to the prior year?

The main reasons for the changes in operating expenses during the recent year compared to the prior year were:

1. **Higher Compensation and Benefits:** There was a 29% increase in compensation and benefits, including stock-based compensation, due to employee growth and pay raises <sup>1</sup>.

2. **Increased Compute and Infrastructure Costs:** Compute and infrastructure expenses increased significantly by 107% <sup>1</sup>.

3. **Engineering Development Costs:** Costs related to engineering development for new product introductions rose by 317% <sup>1</sup>.

These factors collectively drove operating expenses up by 44% compared to the prior year <sup>1</sup>.

1 references

Has the company's total debt increased or decreased this recent year, and by how much?

The company's total debt has **decreased** this recent year. At the beginning of the year (January 28, 2024), the total debt was **\$9.709 billion** (short-term debt of \$1.250 billion and long-term debt of \$8.459 billion). By the end of the most recent quarter (October 27, 2024), the total debt was **\$8.462 billion** (all long-term debt, with no short-term debt remaining). This represents a **decrease of \$1.247 billion** in total debt <sup>1</sup>.

Type user query here. (Shift + Enter for new line)

779/128000 tokens to be sent

## Chat playground

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View code

Deploy

Import

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Create new deployment

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- Financial Performance

- Business Operations

- Risk Factors

- Management Discussion

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Apply changes

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1 references

How does management evaluate the company's competitive position in the market, and what specific actions are being taken to address competitive pressures?

Management evaluates the company's competitive position in the market by considering several factors, including global trade regulations, supply chain dynamics, product innovation, and customer demand. Here are the specific actions being taken to address competitive pressures:

1. **Adapting to Export Controls:** The company is actively managing the impact of U.S. government export controls, particularly on high-performance products like the A100 and H100. They have developed new products specifically tailored for markets like China

Type user query here. (Shift + Enter for new line)

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