

PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

ASSIGNMENT -1 & 2

Course Outcomes		
Upon successful completion of the course, the student will be able to:		
CO1	Understand the basic concepts of Artificial Intelligence.	L2
CO2	Apply the principles of AI in solutions that require problem solving, knowledge representation.	L3
CO3	Apply Planning and Learning for solving AI problems.	L3
CO4	Analyze a given problem and apply AI Techniques.	L4

NAME OF THE CERTIFICATION :	Google GenAI Certification	
STUDENT FULL NAME:	Tippireddy Yogitha	
STUDENT REGISTRATION NUMBER:	22501A05I3	
COURSE:	B. Tech	
YEAR / SEM / GROUP	III-I , G3	
COURSE NAME: Professional Elective Course - I	ARTIFICIAL INTELLIGENCE	
COURSE CODE:	20CS4501D	
ACADEMIC YEAR:	2024-25	
DATE OF SUBMISSION:		
SIGNATURE OF STUDENT:		
MARKS ALLOTTED:	Assignment-1 /5	Assignment-2 /5
NAME AND SIGNATURE OF COURSE COORDINATOR:	Mr. A. Prashant	

Beginner: Introduction to Generative AI Learning Path

1. Introduction to Generative AI

https://www.cloudskillsboost.google/public_profiles/297f2e31-1658-4b80-9cdb-ae514459ab41/badges/514588

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Introduction to Generative AI



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Introduction to Generative AI

Sep 14, 2023

2. Introduction to Large Language Models

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Introduction to Large Language Models



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Introduction to Large Language Models

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3. Introduction to Responsible AI

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Introduction to Responsible AI



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Introduction to Responsible AI

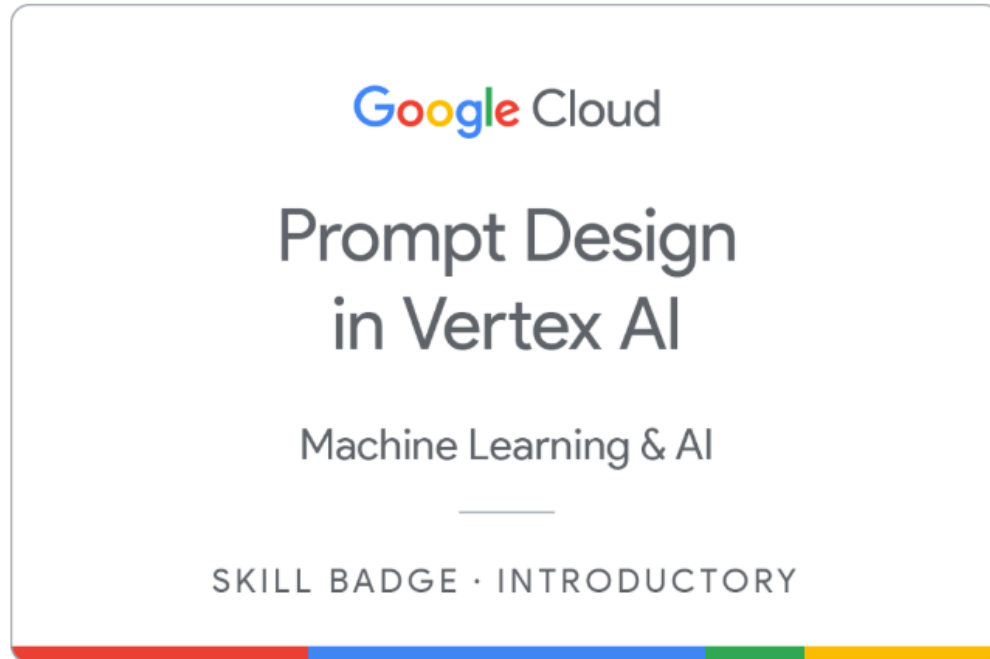
Jul 21, 2024

4.Prompt Design in Vertex AI

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Prompt Design in Vertex AI

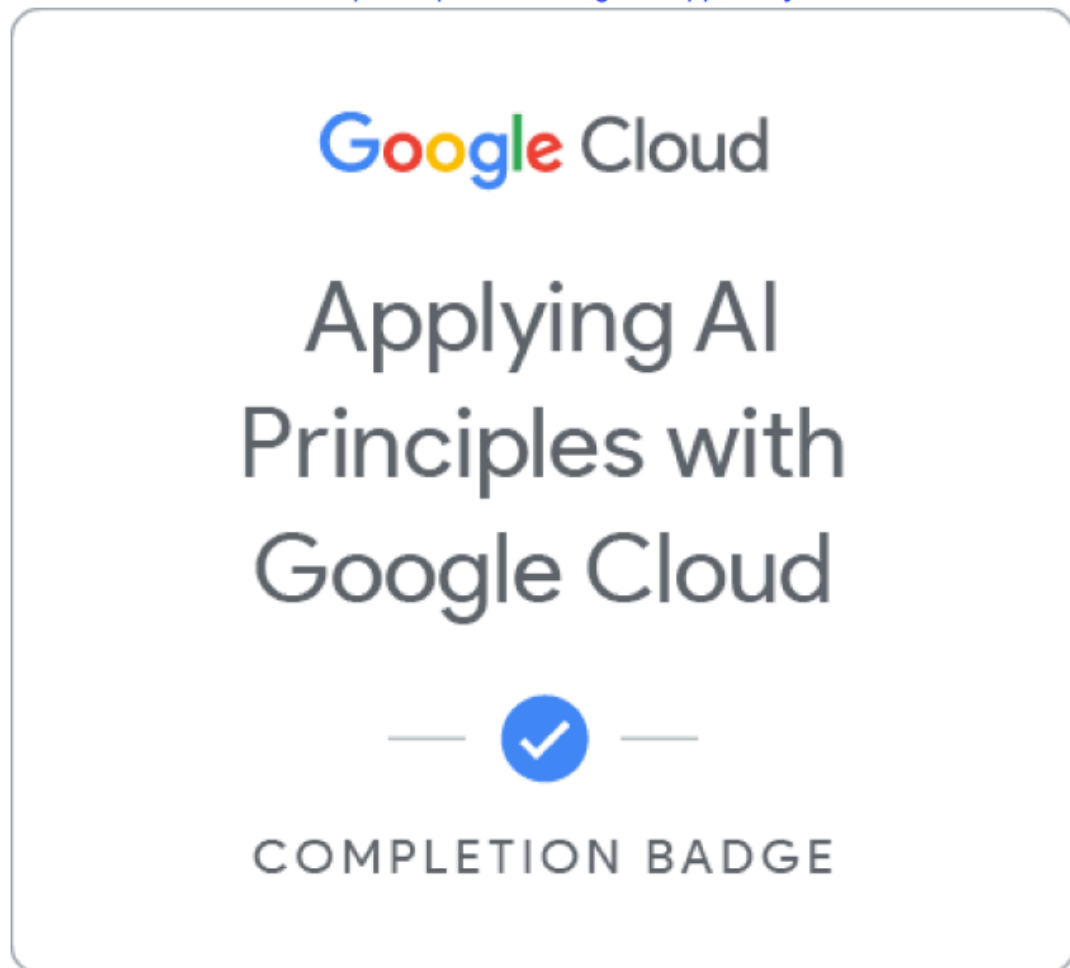
Jul 21, 2024

5. Responsible AI: Applying AI Principles with Google Cloud

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Responsible AI: Applying AI Principles with Google Cloud

Jul 21, 2024

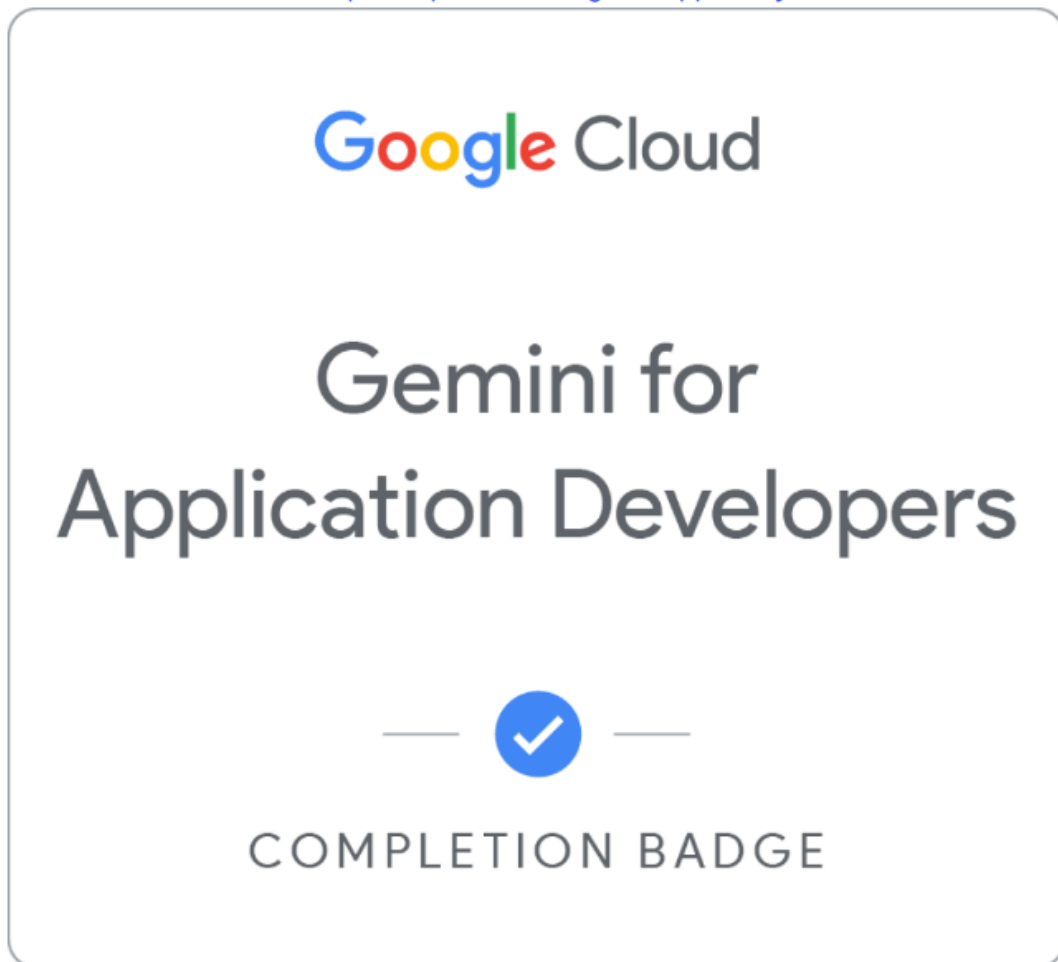
Intermediate: Gemini for Google Cloud Learning Path

1. Gemini for Application Developers

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Gemini for Application Developers

Jul 27, 2024

2. Gemini for Cloud Architects

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Gemini for
Cloud Architects



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Gemini for Cloud Architects

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3. Gemini for Data Scientists and Analysts

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Gemini for
Data Scientists
and Analysts



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Gemini for Data Scientists and Analysts

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4. Gemini for Network Engineers

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Gemini for
Network Engineers



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Gemini for Network Engineers

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5. Gemini for Security Engineers

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Gemini for
Security Engineers



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Gemini for Security Engineers

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6. Gemini for DevOps Engineers

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Gemini for
DevOps Engineers



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Gemini for DevOps Engineers

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7. Gemini for end-to-end SDLC

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Gemini for
end-to-end SDLC



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Gemini for end-to-end SDLC

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8. Develop GenAI Apps with Gemini and Streamlit

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Develop GenAI Apps with Gemini and Streamlit

Machine Learning & AI

SKILL BADGE · INTERMEDIATE

Develop GenAI Apps with Gemini and Streamlit

Aug 14, 2024

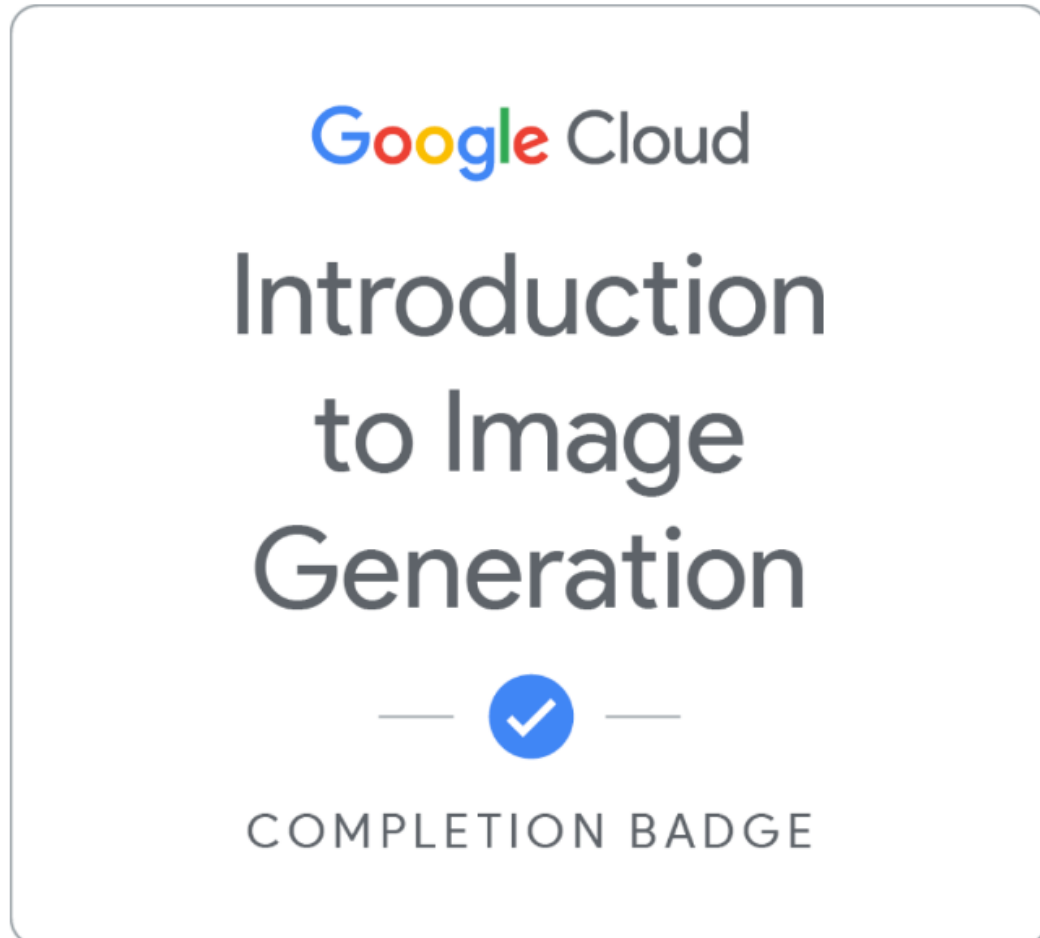
Advanced: Generative AI for Developers Learning Path

1. Introduction to Image Generation

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Introduction to Image Generation

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2.Attention Mechanism

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Attention Mechanism



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Attention Mechanism

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3.Encoder-Decoder Architecture

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Encoder-Decoder Architecture



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Encoder-Decoder Architecture

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4. Transformer Models and BERT Model

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Transformer Models and BERT Model



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Transformer Models and BERT Model

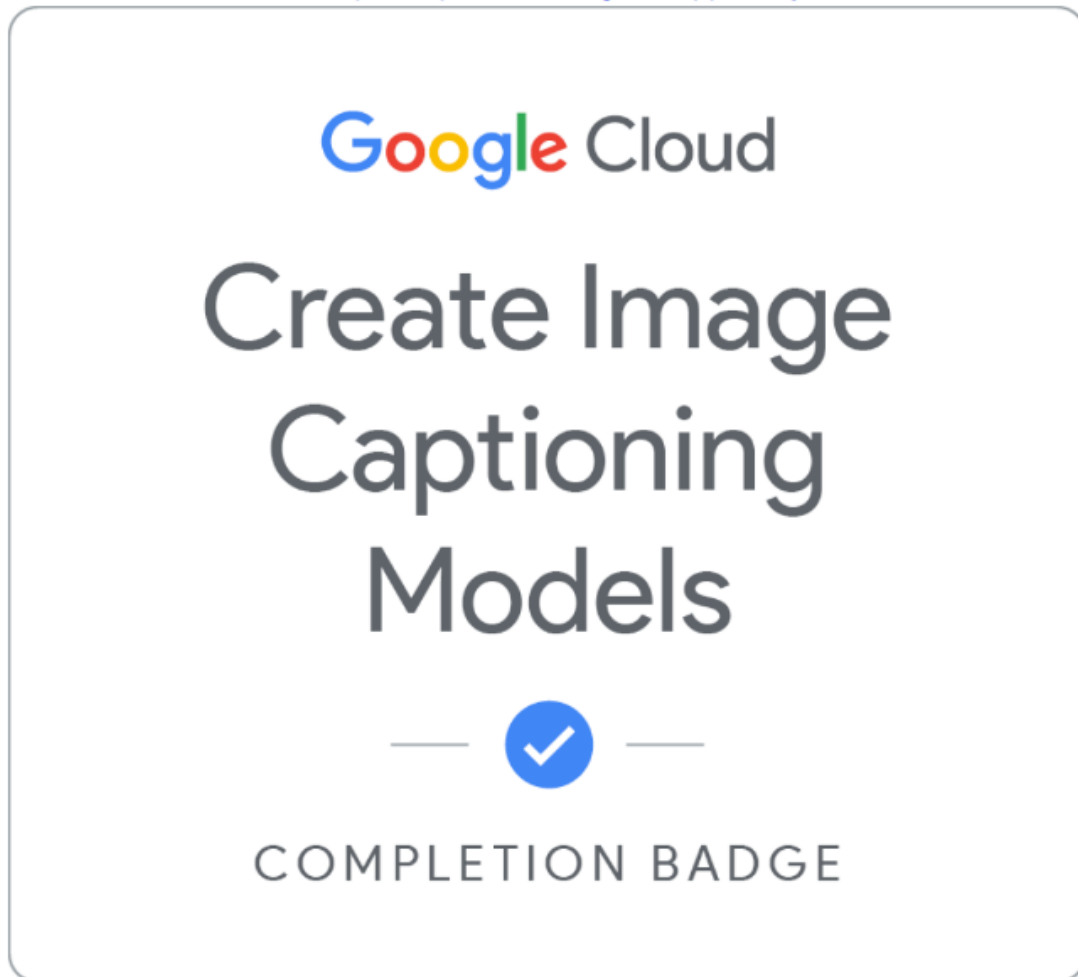
Jul 30, 2024

5. Create Image Captioning Models

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Create Image Captioning Models

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6.Introduction to Vertex AI Studio

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Introduction to Vertex AI Studio



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Introduction to Vertex AI Studio

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7.Vector Search and Embeddings

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Vector Search and Embeddings



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Vector Search and Embeddings

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8. Inspect Rich Documents with Gemini Multimodality and Multimodal RAG

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Inspect Rich Documents with Gemini Multimodality and Multimodal RAG

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9. Responsible AI for Developers: Fairness & Bias

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Responsible AI for Developers: Fairness & Bias



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Responsible AI for Developers: Fairness & Bias

Jul 30, 2024

10. Responsible AI for Developers: Interpretability & Transparency

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Responsible AI for Developers:
Interpretability & Transparency



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Responsible AI for Developers: Interpretability & Transparency

Jul 30, 2024

11. Machine Learning Operations (MLOps) for Generative AI

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Machine Learning Operations (MLOps) for Generative AI



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Machine Learning Operations (MLOps) for Generative AI

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