

OpenAI pricing

GPT-4



Model	Prompt	Completion
8K context	\$0.03 / 1K tokens	\$0.06 / 1K tokens
32K context	\$0.06 / 1K tokens	\$0.12 / 1K tokens

Chat



Model	Input	Output
4K context	\$0.0015 / 1K tokens	\$0.002 / 1K tokens
16K context	\$0.003 / 1K tokens	\$0.004 / 1K tokens

InstructGPT



Model	Usage
Ada	\$0.0004 / 1K tokens
Babbage	\$0.0005 / 1K tokens
Curie	\$0.0020 / 1K tokens
Davinci	\$0.0200 / 1K tokens

Image models



Resolution	Price
1024×1024	\$0.020 / image
512×512	\$0.018 / image
256×256	\$0.016 / image

Embedding models



Model	Usage
Ada v2	\$0.0001 / 1K tokens
Ada v1	\$0.0040 / 1K tokens
Babbage v1	\$0.0050 / 1K tokens
Curie v1	\$0.0200 / 1K tokens
Davinci v1	\$0.2000 / 1K tokens

Fine-tuning models



Model	Training	Usage
Ada	\$0.0004 / 1K tokens	\$0.0016 / 1K tokens
Babbage	\$0.0006 / 1K tokens	\$0.0024 / 1K tokens
Curie	\$0.0030 / 1K tokens	\$0.0120 / 1K tokens
Davinci	\$0.0300 / 1K tokens	\$0.1200 / 1K tokens

Audio models

Model	Usage
Whisper	\$0.006 / minute (rounded to the nearest second)



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Unlocking the Potential of OpenAI's ChatGPT DAVID YAO, Have you heard of OpenAI s ChatGPT but have no idea what it is or how to use it Look no further This book provides a comprehensive introduction to this revolutionary language model In this book the author takes you through the history of ChatGPT and its capabilities as well as its practical applications in fields such as customer service content creation and data analysis You ll also learn how ChatGPT works and what sets it apart from other language models But that s not all the book also provides hands on examples and tutorials to help you put your newfound knowledge into practice The author will also address the limitations of the model and provide tips on how to achieve optimal results Whether you re a data scientist business owner or student this book is a must read for anyone looking to understand and utilize the power of ChatGPT With its comprehensive understanding of ChatGPT and its potential to transform the way we work and learn this book is sure to be a valuable resource So why wait Get your hands on a copy today and let OpenAI s ChatGPT work for you

Azure for Developers Kamil Mrzygłód, 2025-07-30 Advance your development career by mastering Microsoft Azure s latest tools and technologies to enhance existing applications and build powerful cloud native solutions Key Features Build and deploy Azure apps with web serverless and container based architectures Create end to end cloud solutions on Azure by integrating AI services monitoring tools and DevOps Upskill confidently with practical insights and real world development practices Purchase of the print or Kindle book includes a free PDF eBook Book Description Supercharge your development career by mastering Azure s evolving GenAI container and serverless capabilities to build scalable secure applications with confidence This third edition of *Azure for Developers* transforms complex cloud concepts into practical skills guiding you through the design deployment and management of cloud native solutions while eliminating infrastructure headaches Fully updated with Azure s latest features this hands on guide helps you automate DevOps pipelines with GitHub Actions deploy microservices using containers and integrate generative AI via Azure OpenAI to modernize your development workflows You will learn how to set up your environment streamline app deployment and implement robust service integrations using real world best practices The final section is a game changer for developers who want to stay ahead of the curve It shows you how to leverage Azure s AI and machine learning services to automate tasks fine tune models and build intelligent assistants and next generation workflows By the end you will have the confidence and capabilities to deliver production grade cloud solutions that meet real world demands and position yourself at the forefront of modern cloud development What you will learn Integrate data solutions like Azure Storage and managed SQL databases into your applications Embed monitoring into your application using Application Insights SDK Develop serverless solutions with Azure Functions and Durable Functions Automate CI CD workflows with GitHub Actions and Azure integration Build and manage containers using Azure Container Apps Azure Container Registry ACR and App Service Design powerful workflows with both low code and full code approaches Enhance applications with AI and machine learning components Who this book

is for This book is for cloud developers and engineers building applications with Microsoft Azure as well as those looking to begin a career in Azure development While a basic understanding of programming concepts is recommended the book covers both basic and advanced ideas and solutions making it valuable for beginners and experienced developers looking to enhance their skills

Reimagine Pricing Jan Y. Yang, 2025-06-11 This book highlights the transformative potential of AI enabled pricing showing how it empowers businesses to unlock revenue optimize customer experiences and gain a competitive edge By combining cutting edge AI technologies with actionable strategies it offers a comprehensive roadmap for organizations looking to move from reactive manual pricing processes to proactive data driven systems that predict adapt and create value in real time Focused on practical applications the book bridges the gap between technological innovation and real world implementation It features a unique blend of strategic insights technical examples including Python code and AI workflows and case studies from industries such as retail travel and manufacturing These examples demonstrate how companies have increased margins reduced churn and driven customer loyalty by leveraging AI It also explores fast evolving trends like autonomous systems blockchain transparency and ecosystem driven pricing making it essential reading for professionals eager to future proof their pricing strategies A key contribution of the book is its focus on the human element of AI adoption It addresses challenges like resistance to change ethical considerations in pricing fairness and building trust with both internal teams and customers By reframing AI as an enabler rather than a replacement the book equips pricing professionals to transition from tactical roles to strategic leadership fostering collaboration between human intuition and machine intelligence The book raises provocative questions How can businesses harness AI without compromising ethics or transparency What skills will pricing teams need to thrive in an AI driven future And how can organizations align AI pricing with broader strategic goals It answers these questions by offering clear actionable solutions and a vision for integrating AI into the heart of business operations transforming pricing from a functional necessity into a strategic differentiator Designed for business leaders pricing experts and AI enthusiasts this book is not just a guide it s a call to action to embrace the future of AI enabled pricing with confidence creativity and purpose

Data Science Solutions on Azure Julian Soh, Priyanshi Singh, 2024-11-18 This revamped and updated book focuses on the latest in AI technology Generative AI It builds on the first edition by moving away from traditional data science into the area of applied AI using the latest breakthroughs in Generative AI Based on real world projects this edition takes a deep look into new concepts and approaches such as Prompt Engineering testing and grounding of Large Language Models fine tuning and implementing new solution architectures such as Retrieval Augmented Generation RAG You will learn about new embedded AI technologies in Search such as Semantic and Vector Search Written with a view on how to implement Generative AI in software this book contains examples and sample code In addition to traditional Data Science experimentation in Azure Machine Learning AML that was covered in the first edition the authors cover new tools such as Azure AI Studio specifically for testing and experimentation with Generative AI models What

s New in this Book Provides new concepts tools and technologies such as Large and Small Language Models Semantic Kernel and Automatic Function Calling Takes a deeper dive into using Azure AI Studio for RAG and Prompt Engineering design Includes new and updated case studies for Azure OpenAI Teaches about Copilots plugins and agents What You ll Learn Get up to date on the important technical aspects of Large Language Models based on Azure OpenAI as the reference platform Know about the different types of models GPT3 5 Turbo GPT4 GPT4o Codex DALL E and Small Language Models such as Phi 3 Develop new skills such as Prompt Engineering and fine tuning of Large Small Language Models Understand and implement new architectures such as RAG and Automatic Function Calling Understand approaches for implementing Generative AI using LangChain and Semantic Kernel See how real world projects help you identify great candidates for Applied AI projects including Large Small Language Models Who This Book Is For Software engineers and architects looking to deploy end to end Generative AI solutions on Azure with the latest tools and techniques

The Singularity Is Nearer Ray Kurzweil, 2024-06-25 AN INSTANT NEW YORK TIMES BESTSELLER ONE OF TIME S 100 MOST INFLUENTIAL PEOPLE IN ARTIFICIAL INTELLIGENCE The noted inventor and futurist s successor to his landmark book *The Singularity Is Near* explores how technology will transform the human race in the decades to come Since it was first published in 2005 Ray Kurzweil s *The Singularity Is Near* and its vision of an exponential future have spawned a worldwide movement Kurzweil s predictions about technological advancements have largely come true with concepts like AI intelligent machines and biotechnology now widely familiar to the public In this entirely new book Ray Kurzweil brings a fresh perspective to advances toward the Singularity assessing his 1999 prediction that AI will reach human level intelligence by 2029 and examining the exponential growth of technology that in the near future will expand human intelligence a millionfold and change human life forever Among the topics he discusses are rebuilding the world atom by atom with devices like nanobots radical life extension beyond the current age limit of 120 reinventing intelligence by connecting our brains to the cloud how exponential technologies are propelling innovation forward in all industries and improving all aspects of our well being such as declining poverty and violence and the growth of renewable energy and 3 D printing He also considers the potential perils of biotechnology nanotechnology and artificial intelligence including such topics of current controversy as how AI will impact employment and the safety of autonomous cars and After Life technology which aims to virtually revive deceased individuals through a combination of their data and DNA The culmination of six decades of research on artificial intelligence *The Singularity Is Nearer* is Ray Kurzweil s crowning contribution to the story of this science and the revolution that is to come

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en 15085 certification replacing previous din 6700 which is applicable to welding manufacturers of railway vehicles and components service scope quality system audit according to iso 3834 en 15085

standard delayi - Jul 17 2022

ts en iso 15085 a1 2012 ts en iso 15085 a1 2010 tadil edilen ts en iso 15085 2004 yararlanılan kaynak en iso 15085 2003 a2 2018 uluslararası karşılıklar en iso 15085 a2 eqv iso 15085 amd 2 eqv din en iso 15085 eqv bs en iso 15085 a2 eqv nf j95 050 a2 eqv tercüme edildiği std en iso 15085 a2 ics kodu

ts en 15085 2 turkey rail vehicle industry co - May 15 2022

ts en 15085 2 ts en iso 3834 2 sakarya regional office iso 14001 2015 and iso 45000 2018 en15085 2 iso ts 22163 2017 ts iso en 9001 2015 certificate en iso 3834 2 2005 ecm maintenance function compliance certificate sivas regional directorate ecm certificate en 15085 2 resource certificate ts en iso 9001 2015 kys ts en iso

en 15085 2 demiryolu araçları İmalatı İçin yeterlilik belgesi szutest - Jul 29 2023

en 15085 1 genel en 15085 2 kaynak imalatçısının kalite özellikleri ve belgelendirme en 15085 3 tasarım özellikleri en 15085 4 İmalat kuralları en 15085 5 muayene deney ve dokümantasyon standardın 2 bölümünde en 15085 2 kaynaklı İmalat yapan işletmelerin belgelendirilmesi kalite gerekleri ele alınmıştır

en 15085 standardi tÜrcert - Mar 25 2023

en 15085 standardı demiryolu araçları ve bileşenlerinin kaynak işlemini tanımlamakta olup demiryolu araçları ve parçalarının üretimini tamirini revizyonunu gerçekleştiren kuruluşların en 15085 2 belgesine sahip olması kaynaklı imalatının uluslararası standartlarda belirtilen gereklilikleri sağladığını göstermektedir

en 1090 1 iso 3834 proses ÜrÜn belgelendirme - Nov 20 2022

2 2 iso 3834 e göre kaynaklı İmalat yeterlilik belgesi başvuru bilgileri uygulama standardı iso 3834 2 iso 3834 3 iso 3834 4 2 3 en 15085 e göre demiryolu araçları İmalat yeterlilik belgesi başvuru bilgileri belgelendirme seviyesi cl 1 cl 2 cl 3 cl 4 kaynak uygulaması var yok alt yüklenici kaynaklı parça

ürün belgelendirme türk loydu - May 27 2023

en 15085 2 belgelendirme hizmeti veren kuruluşların en iso 17065 standardına göre akredite kuruluş olarak yetkilendirilmiş olması gerekmektedir türk loydu en iso 17065 standardına göre türk ak tan akredite kuruluş olarak en 15085 2 standardına göre demiryolları araçları ve bileşenleri imalatçıların belgelendirmesi

standard detayı tse - Jan 23 2023

en 15085 1 eqv din en 15085 1 eqv bs en 15085 1 eqv nf f01 885 1 eqv tercüme edildiği std en 15085 1 ics kodu 25 160 10 kaynak prosesleri ve kaynakçı vasıfları 45 060 01 demiryolu taşıtlar genel atıf yapılan std ts en 45020 2007 cen tr 14599 2005 ts en iso 17659 2005 cen cenelec cen dili tr en fr de

standard detayı - Apr 25 2023

ts en iso 15085 a1 2012 ts en iso 15085 a1 2010 ts en iso 15085 a2 2018 yararlanılan kaynak en iso 15085 2003 uluslararası karşılıklar en iso 15085 eqv din en iso 15085 eqv bs en iso 15085 eqv nf j95 050 nf en iso 15085 eqv iso 15085 eqv tercüme

edildiği std en iso 15085 ics kodu

en 15085 welding certification ece global ece global - Aug 18 2022

en 15085 refers to the iso 3834 standard which focuses on quality management compliance for fusion welding of ferrous and non ferrous materials weld performance classes cp and inspection classes ct are assigned according to the outcome of engineering assessments and field experience of a given product such will be matched with the

ts en iso 15085 demiryolu araçları ve bileşenleri yönetim sistemi - Aug 30 2023

tamamen demiryolu sektörüne yönelik olarak tasarlanan en iso 15085 standardı almanya da uygulanan din 6700 standart serisinin yerini almıştır 2007 yılında avrupa standartlar komitesi tarafından yayınlanan demiryolu araçları parçaları ve alt montajların kaynaklı imalatını yapan imalatçı firmalar içindir

iso 15085 welding in the railway sector eco certificazione s p a - Apr 13 2022

the en iso 15085 standard defines the quality criteria in order to meet the technical requirements of the welding the standard calls for minimum technical organisational requirements of qualifications to be able to carry out or subcontract welding jobs

guideline of the european committee for welding of railway - Jun 15 2022

tasks and responsibilities of the ecwrv and system online register en 15085 1 general welding of railway vehicles and

components en iso 9606 1 en iso 14732 qualification of welders and welding operators en iso 9606 2 en iso 14732

qualification of welders and welding operators

en 15085 ece global - Oct 20 2022

ece global helps clients assess and implement the applicable en 15085 requirements and we also help companies achieve en 15085 and iso 3834 certification for any particular manufacturer our experts offer certification or consultation services but not both

en 15085 2 kaynak sertifikası türkiye raylı sistem araçları - Feb 21 2023

iso 14001 2015 ve iso 45000 2018 en15085 2 iso ts 22163 2017 ts iso en 9001 2015 serftifika en iso 3834 2 2005 ecm bakım fonksiyonu uygunluk sertifikası sivas bölge müdürlüğü ecm sertifika en 15085 2 kaynak sertifikası ts en iso 9001 2015 kys ts en iso 14001 2015 Çys ts en iso 50001 2018 eys ts iso 45001 2018 İsgys en

slovenski standard sist en 15085 2 2020 - Feb 09 2022

the en 15085 series of standards supplements those requirements and defines special requirements for the construction and maintenance of railway vehicles this document can also be used by internal and external parties including accredited certification bodies

en 15085 2 ye göre demiryolu araçlarının ve bileşenlerinin - Sep 30 2023

en 15085 2 kaynaklı bileşenler için sınıflandırma seviyelerini tipik olarak üstlenilen faaliyet türlerini ve uygunluğu göstermek

için yerine getirilmesi gereken gereklilikleri tanımlar kaynak demiryolu araçları ve parçalarının imalatında özel bir işlemdir
rail welding systems en 15085 rina org - Dec 22 2022

railway vehicles components and sub assemblies welding in the production of railway vehicles is an important process for the safety of public transport en 15085 establishes quality criteria to ensure that the basic welding technical requirements are met

ts en iso 15085 demiryolu araçları ve bileşenleri yönetim sistemi - Jun 27 2023

söz konusu ts en iso 15085 sistemini oluşturan standartlar şunlardır ts en 15085 1 demiryolu uygulamaları demiryolu araçları ve bileşenlerinin kaynak işlemi bölüm 1 genel ts en 15085 2 bölüm 2 kaynak imalatçılarının kalite özellikleri ve belgelendirilmesi ts en 15085 3 bölüm 3 tasarım özellikleri ts en