# AI Platform Optimizer documentation

**Beta**

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AI Platform Optimizer is a black-box optimization service that helps you tune hyperparameters in complex machine learning models. You can use AI Platform Optimizer to optimize your machine learning models using Google Cloud resources.

## Getting started

### Introduction to AI Platform
An overview of AI Platform products.
 (/ai-platform/docs/technical-overview)

### Optimizer overview
An introduction to optimizing machine learning models using AI Platform Optimizer.
 (/ai-platform/optimizer/docs/overview)

### Getting started: Optimizing a machine learning model
Use AI Platform Optimizer and AI Platform Training to optimize a machine learning model.
 (/ai-platform/optimizer/docs/optimizing-ml-model)

### Getting started: Optimizing multiple objectives
Optimize two outputs of a model simultaneously.
 (/ai-platform/optimizer/docs/optimizing-multiple-objectives)

### Using AI Platform Optimizer

Learn how to use AI Platform Optimizer in your own projects.

(/ai-platform/optimizer/docs/using-optimizer)

# Monitoring and security

### Viewing audit logs

Monitor admin activity and data access with Cloud Audit Logs.

(/ai-platform/optimizer/docs/audit-logs)

### Access control

An overview of permissions required to perform various actions in the AI Platform Training and Prediction API, as well as IAM roles that provide these permissions.

(/ai-platform/optimizer/docs/access-control)

# APIs and reference

### AI Platform Training and Prediction API reference

Detailed information about the REST API.

(/ai-platform/optimizer/docs/reference/rest)

# Support

### Getting support
Find support for issues that you encounter.

(/ai-platform/optimizer/docs/getting-support)

## Resources

### Pricing
Detailed pricing information.

(/ai-platform/optimizer/pricing)

### Quotas and limits
Usage policies for AI Platform Optimizer resources.

(/ai-platform/optimizer/docs/quotas)