



	
Compute	
Database	\$620.00
Storage	\$540.50
Bedrock tokens	\$124.00
	\$312.75
Total	\$1,597.25 / mo
	

Terraform in, calculator.aws link out

From design documents and IaC to approved funding request, without ClickOps

Håkon Eriksen Drange, Principal Cloud Architect - Sopra Steria

Thursday, 16:40

RFP design doc.

Terraform POC implementation of a dozen
AWS services.

The proposal goes out tomorrow.

// *Can we include the cost estimate in tomorrow's proposal?*

No POC funding = no project

Sales director

Thursday, 16:41



19:30. One estimate, built by hand

Every figure typed in. Every guess forgotten.

Open



Open the
calculator

Add



Add service one of
twelve

Look up



Find the field
names

Guess



Guess usage
nobody wrote
down

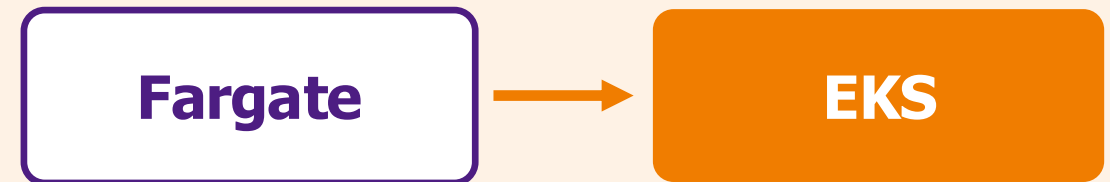
Export



Screenshot to
Word

Friday, 09:00

“Portability”



10x

Where to begin.

How not to make mistakes.

Hand estimations

Five friction points of the manual way



Manual and time-consuming

Clicking through forms for an existing design



Not reproducible

The reasoning lives in someone's head



Not scriptable

No official API for creating estimates



Incomplete by default

Data transfer, Multi-AZ, volumes not prompted



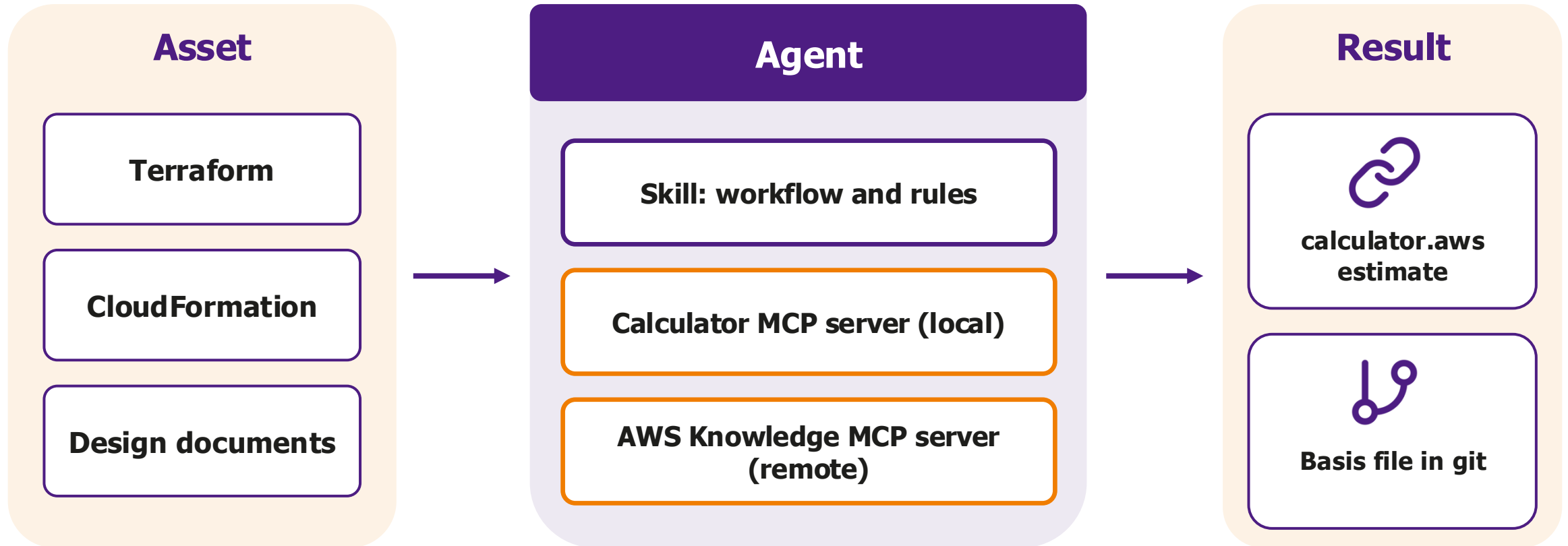
Unreliable when delegated

Prices from training data, not current



Agent in, calculator.aws link out

One skill, two MCP servers, one confirmation gate



From design to link in five steps

Iterate locally, verify, build calculator.aws

1: Inventory



Scan assets. List services, ask for missing usage figures

2: Fact-check



Check design against AWS documentation

3: Basis file



Write assumptions to markdown, commit to git

4: Approve



Review plan table, then say go

5: Build



Create, validate, return link

Setup instructions

Kiro Custom Power

- Open the Powers panel and choose Add Custom Power → Import power from GitHub.
- Enter <https://github.com/haakond/aws-pricing-calculator-skill> and choose Install.
- Verify: the MCP server list shows two entries ending in pricing-calculator and aws-knowledge, both Connected.

Claude Code plugin

- In a Claude Code session, add the marketplace and install the plugin with:

`/plugin install aws-pricing-calculator --marketplace haakond/aws-pricing-calculator-skill`
- Choose a scope when prompted, then run `/reload-plugins` if asked.
- Verify: claude plugin list in a terminal shows aws-pricing-calculator as enabled.



Demo

Kiro Custom Power



aws-pricing-calculator

Build a real, shareable AWS Pricing Calculator (calculator.aws) estimate for an AWS architecture, with a c...
by Håkon Eriksen Drange

[Try power](#) [Uninstall](#) [Check for updates](#)

Description

#aws #pricing #cost #estimate #calculator #aws pricing calculator #cost estimate

Build a real, shareable AWS Pricing Calculator (calculator.aws) estimate for an AWS architecture, with a confirm-before-write plan table, assumptions tracking and documentation cross-checks.

[GitHub Repository](#)

MCP Configuration

[Open powers config](#)

Skills

`aws-pricing-calculator`

Use when building a cost estimate for an AWS architecture — a proposed design, a Terraform module, or an existing deployment — and the output needs to be a real, shareable AWS Pricing Calculator (calculator.aws) estimate rather than a back-of-envelope number from memory.

`aws-pricing-calculator-getting-started`

Onboarding for the aws-pricing-calculator plugin or Kiro Power. Use when the user has just installed it, asks what it does or how to get started, or wants to check that its two MCP servers are connected. For building an actual estimate, use the aws-pricing-calculator skill.

Kiro Custom Power

Both servers are connected

- `pricing-calculator`: connected, version 1.3.4. It exposes 9 tools: search, field discovery, create/build/validate/export/import estimate, and cost read-back.
- `aws-knowledge`: connected, and the S3 pricing search returned results.

Neither server needs AWS credentials. I didn't create or change any estimate.

What the power does

It turns Terraform, other IaC, a design doc, or a plain list of services into a shareable `calculator.aws` estimate link. The workflow:

1. I list the AWS services in your material and ask for usage figures I can't find.
2. I check the design against AWS docs for costs the calculator doesn't model.
3. I write a basis file at `cost-estimate/<name>.md` with sources, plan, assumptions and findings.
4. I show a plan table and wait for your approval. Nothing is written to `calculator.aws` before that.
5. I build and validate the estimate, then return the link.
6. I update the basis file with the link and a history row. You commit it.

The power ships no steering guides. Its onboarding is the `aws-pricing-calculator-getting-started` skill, which I followed.

Example prompts

text

```
Analyze the Terraform in ./terraform/modules/orchestrator-durable and produce an AWS Pricing Calculator estimate for eu-central-1.  
Read .kiro/specs/feat-aws-reinvent-2026-code-talk-com325/durable-vs-stepfunctions-orchestration.md and estimate the monthly cost of the architecture.  
Estimate an S3 bucket with 500 GB of images behind CloudFront, mostly EU traffic.
```

The first two fit your open files. Your steering sets `eu-central-1` as the default region.

Next step

I need three things from you:

- The source: a Terraform directory, a design doc, or a list of services.
- The AWS Region. I'll assume `eu-central-1` unless you say otherwise.
- Any usage figures you already know, such as requests per second, data volume or run hours.

Give me those and I'll hand over to the `aws-pricing-calculator` skill. I'll stop at the plan table for your approval before building anything.

Claude Code Skill

› Help me create a pricing estimate for the EKS Workshop source file directory

- I'll start by looking at what's in the directory, and load the pricing calculator skill in parallel.

• Skill(aws-pricing-calculator:aws-pricing-calculator)

└ Successfully loaded skill

Listed 1 directory

- User answered Claude's questions:

└ • Which AWS region should the estimate use? → eu-west-1 (Ireland)
• What usage pattern should be priced? → One workshop event
• Should lab extras beyond the base cluster be included? → Add typical lab extras
• Which node purchase option? → On-Demand

- One input is still missing: the size of the event.

Listing lab and manifest modules

└ \$ ls /Users/hakon.drangework/hed/blog/demo/eks-workshop-v2/lab /Users/hakon.drangework/hed/blog/demo/eks-workshop-v2/manifests/modules

□ Event size

How large is the workshop event?

1. 20 clusters x 8 h
Same size as the previous scenario A: 160 cluster-hours
- › 2. 10 clusters x 4 h
Small half-day session: 40 cluster-hours
3. 50 clusters x 8 h
Large full-day event: 400 cluster-hours
4. Type something.

5. Chat about this

Enter to select · ↑/↓ to navigate · Esc to cancel

Claude Code Skill

The draft is written to `cost-estimate/eks-workshop-v2.md`. Nothing has been created on `calculator.aws` yet. Here is the plan to confirm.

Scenario: 10 participants, 4 hours each, 40 cluster-hours, eu-west-1, On-Demand, with lab extras.

Service	Sizing (per participant)	Key assumption
Amazon EKS	1 control plane, k8s 1.35, standard support	No hybrid nodes or EKS capabilities
EC2, cluster nodes	3 × m5.large, 4 h, 20 GiB gp3 root	Module default
EC2, IDE	1 × t3.medium, 4 h, 30 GiB gp3	From the lab CloudFormation. The old estimate missed this.
EC2, Karpenter burst	2 × m5.large, 2 h	Best-effort
NAT Gateway	1, 4 billed hours, 20 GB processed	Best-effort traffic
Public IPv4	8 in use: NAT, IDE, 3 for the ALB and 3 for the NLB	Load balancer IPs are billed separately
ALB and NLB	1 each, 1 h	Ingress and load-balancer labs
EBS and EFS	30 GiB gp3 and 5 GiB, 2 h	From the lab manifests
Secrets Manager	1 secret	IDE password
CloudWatch Logs and egress	1 GB logs, 5 GB egress	Best-effort, minor

Excluded:

- OpenSearch, FSx, Fargate, GPU/accelerator nodes, EKS capabilities and hybrid nodes. They are per-lab and heavy.
- RDS, because no lab in the source provisions it. That was my earlier mistake.
- CloudFront and Lambda for the IDE, which should fall inside free tiers.

Calculator limits:

- EKS, NAT and Public IPv4 only price per month (730 h), so the link can't express the 4-hour event exactly.
- The NAT service forces a placeholder regional gateway into the estimate.

Claude Code Skill

The estimate is built: <https://calculator.aws/#/estimate?id=43235dafa5b9ade0786bfea090a27309582f246f>

[Feedback](#)
[Language: English](#)
[Contact Sales](#)
[Create an AWS Account](#)

Your EKS Workshop v2 - 10 participants x 4 h (eu-west-1) was last updated on October 27, 2026. This is a read only document. Your estimate below reflects pricing as on October 27, 2026. To view current pricing, select the Update estimate button. The estimate will need to be saved via share or export after changes are made.

Update estimate

[AWS Pricing Calculator](#) > [EKS Workshop v2 - 10 participants x 4 h \(eu-west-1\)](#) > Base cluster

EKS Workshop v2 - 10 participants x 4 h (eu-west-1)

Export

Estimate date: October 27, 2026

Estimate summary [Info](#)

Upfront cost

0.00 USD

Monthly cost

4,635.71 USD

Total 12 months cost

55,628.52 USD

Includes upfront cost

Getting Started with AWS

Get started for free

Contact Sales

Groups [Info](#)

EKS Workshop v2 - 10 participants x 4 h (eu-west-1)

(Total Services: 11)

▼ Base cluster

▼ Participant IDE

▼ Lab extras

Base cluster

<

1

>

⚙️

☐	Service Name	Upfront cost	Monthly cost	Description	Region	Config Summary
☐	Amazon EKS	0.00 USD	730.00 USD	EKS control plane, 10 clusters, k8s 1...	Europe (Ireland)	numberOfEKSClusters (10), numberOfHybridNodes (0)
☐	Amazon EC2	0.00 USD	2,396.10 USD	Managed node group, 3 x m5.large p...	Europe (Ireland)	instanceType (m5.large), workload (30), selectedOS (linux),...
☐	Amazon Virtual Private Cloud (VPC)	0.00 USD	0.00 USD	1 NAT gateway per cluster x 10, 20 G...	Europe (Ireland)	-
☐	Amazon CloudWatch	0.00 USD	5.75 USD	EKS control plane logs, 1 GB ingest p...	Europe (Ireland)	sizeOfStandardLogsDataIngested (10), logStorageOption (1)

Use-cases for AWS Ambassadors

Funding and pre-sales, estimates, quick decisions etc.



Partner funding

Calculator URLs for MAP and POC requests

Partner Central Opportunity deal sizing.



Pre-sales

A design document becomes a calculator.aws link the customer opens and adjusts with you.



Terraform/CDK

Cost reviewed with the change (poor mans Infracost)



Reliable for contracts

Handover, managed-service pricing



Compare options

Fargate or EKS, single or Multi-AZ

Try it



Scan for blog post with
setup guide and example

github.com/haakond/aws-pricing-calculator-skill

Feedback and pull requests welcome. Independent community project, not affiliated with or endorsed by AWS or Sopra Steria.