

@MALLS

“Africa's finest roots”



Meet our Team:

(Blending with SA Flag)

Mokgadi-M:
Web Dev

Aytee-A:
Researcher &
Documenter

Lethabo-L:
Web Deployer
to AWS S3

Leah-L:
Presenter

Skhumbuzo-S:
Web Dev

RESTAURANT OVERVIEW:

Current situation

- History:
- Uniqueness:
- Customers:





CHALLENGES: Before AWS Migration

- Order mix-ups & wrong dishes
- Double-bookings → waiting guests to be seated.
- No central customer data → lost repeat business
- Shortage of staff

Solution: Simple static website with:

- Pictures of our dishes
- Dine-in booking form
- Take-away order form
- Loyalty programme
- Login / register / sign-up
- Contacts, Map for directions, etc.



Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

- Disable
 Enable

Hosting type

- Host a static website

Use the bucket endpoint as the web address. [Learn more](#)

- Redirect requests for an object
Redirect requests to another bucket or domain. [Learn more](#)

 For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#).

Index document

Specify the home or default page of the website.

index.html

Error document - optional

This is returned when an error occurs.

error.html

Redirection rules - optional

Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

```
1 {  
2   "Condition": {  
3     "KeyPrefixEquals": "register"  
4   },  
5   "Redirect": {  
6     "ReplaceKeyWith": "Register.html"  
7   }  
8 },  
9 {  
10  "Condition": {  
11    "KeyPrefixEquals": "menu"  
12  },  
13  "Redirect": {  
14    "ReplaceKeyWith": "menu.html"  
15  }  
16 },  
17 {  
18  "Condition": {  
19    "KeyPrefixEquals": "login"  
20  },  
21  "Redirect": {  
22    "ReplaceKeyWith": "login.html"  
23  }  
24 }
```

JSON

Ln 1, Col 1

Errors: 0

Warnings: 0

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Edit

Delete

 Copy

```
{  
  "Version": "2012-10-17",  
  "Statement": [  
    {  
      "Sid": "PublicReadGetObject",  
      "Effect": "Allow",  
      "Principal": "*",  
      "Action": "s3:GetObject",  
      "Resource": "arn:aws:s3:::malls-restaurant-bucket/*"  
    }  
  ]  
}
```

Place Your Take Away Order

Order your favorite African dishes online for collection.

Popular Dishes & Desserts



The Finest: Our Culinary Lineage

From hearty meatloaf meals to iconic stews and curries, and mouthwatering salads.



R25.00
ADD ONE
View Details



R25.00
Herbal Healing
Juice



R25.00
Chewy Choco
Biscuits



R25.00
Cinnamon
Buns

Secure Your Dine-In Spot

Reserve your table for a full cultural dining experience.

Table Selection

Select Guest Count
Select Guest Size

Date & Time
Appointee

Choose Date & Booking

Welcome Back!

Please log in to your account

Email Address

john.doe@example.com

Password

Enter your password

Remember me

[Forgot Password?](#)

[Login](#)

Don't have an account? [Create New](#)

Customer Rewards & Loyalty

Join our Loyalty Program to earn points every time you dine at O'MALLS.

Log In

John Doe

Sign In

john.doe@example.com

Phone Number

+27 1234567890

[Join Loyalty Program](#)

Welcome, John Doe

You currently have 0 points.

Score +100 points in 1000m from last visit

Your Cart

Bobotie's Comfort
R25.00 x 1

1
Edit
Delete

The Ancestral Braai
R280.00 x 1

1
Edit
Delete

Kota & Bunny Bites
R25.00 x 1

1
Edit
Delete

Total: R450.00

[Proceed to Checkout](#)

Order Placed! (Payment Pending)

Thank you, O'MALLS! Your order OBD-202511141820 for:

- 2 x Kota & Bunny Bites
- 3 x Mata and Mogwadi (Tripe)

is being prepared. Total amount: R380.00. We will call 1234567890 when ready (1-30 mins).

Please close to redirect you to payment page

[Close](#)

Dine-In Confirmed! (Deposit Pending)

YOUR RESERVATION RBS-202511141818 FOR 4 GUESTS ON 2025/11/10, 11:30:00 INC

BEEF BRAAI. DINING TIME: 1 HOUR SELECTED AS 2 HOURS WITH ADDITIONAL BOOKING. DEPOSIT REQUIRED: R200.00.

We look forward to sharing Africa's finest roots with you! Confirmation sent to your cell phone.

Please close to redirect you to payment page

[Close](#)

Reach Out & Connect

Location

Address:

100 Street, Avenue
Dinner Drive,
Johannesburg, 2000
South Africa

Phone

Phone:

+27 11 123 4567

Email

Email:

info@omalls.co.za

Website:

www.omalls.co.za



Our Roots, Our Colours

O'MALLS is a celebration of Southern Africa's vibrant heritage. Our cuisine and design are inspired by the warmth, community, and rich cultural tapestry of the Zulu, Sepedi, Xhosa, and Setswana people.



AWS SERVICES:

S3 Hosts the website & images

CloudFront Fast global delivery

Route 53 Custom domain & DNS

ACM Free SSL Certificate

API Gateway Connects forms to the backend

Lambda Handles bookings & order logic

DynamoDB Stores reservations, orders, loyalty points

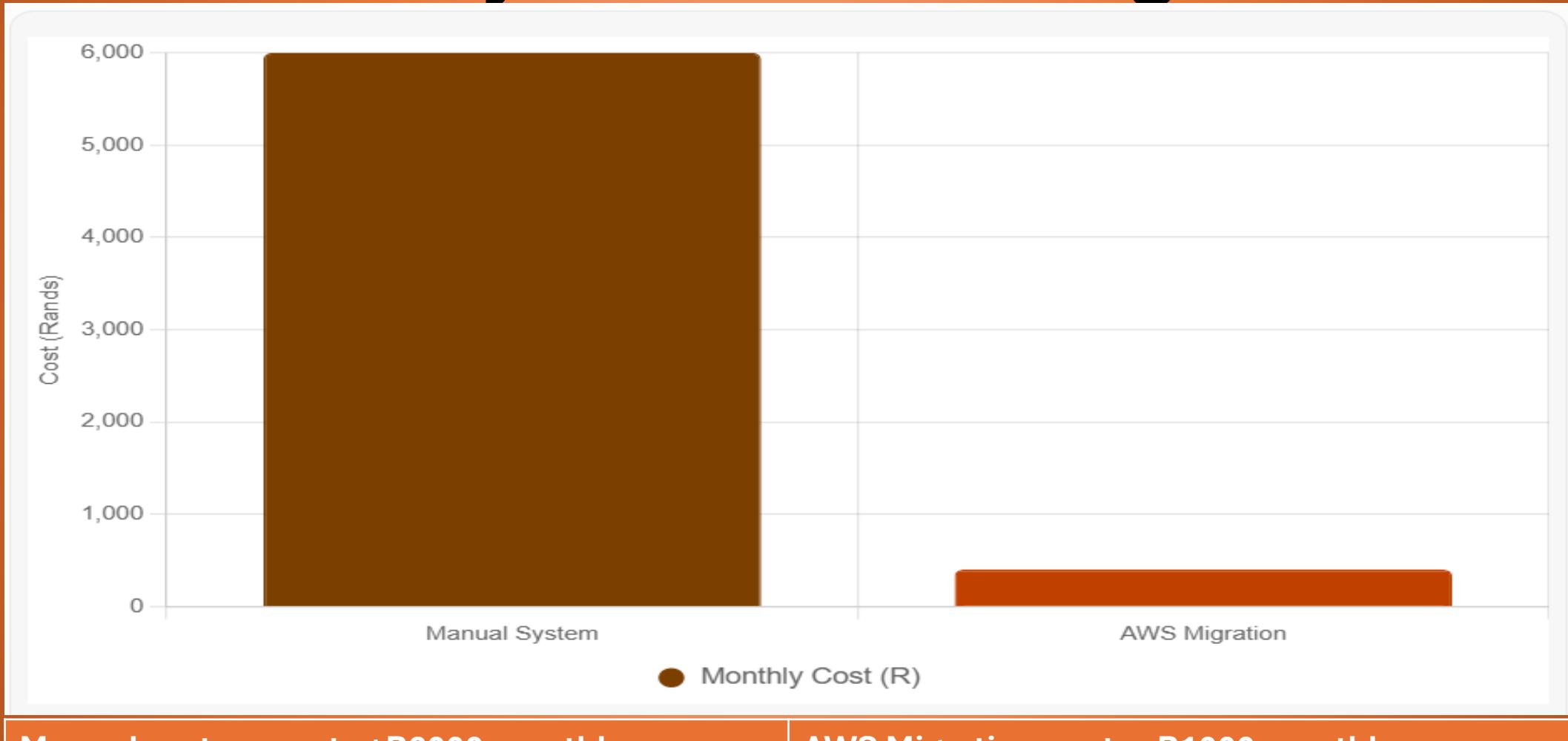
Cognito User login & registration

Location Service Interactive Map

Cost Analysis:

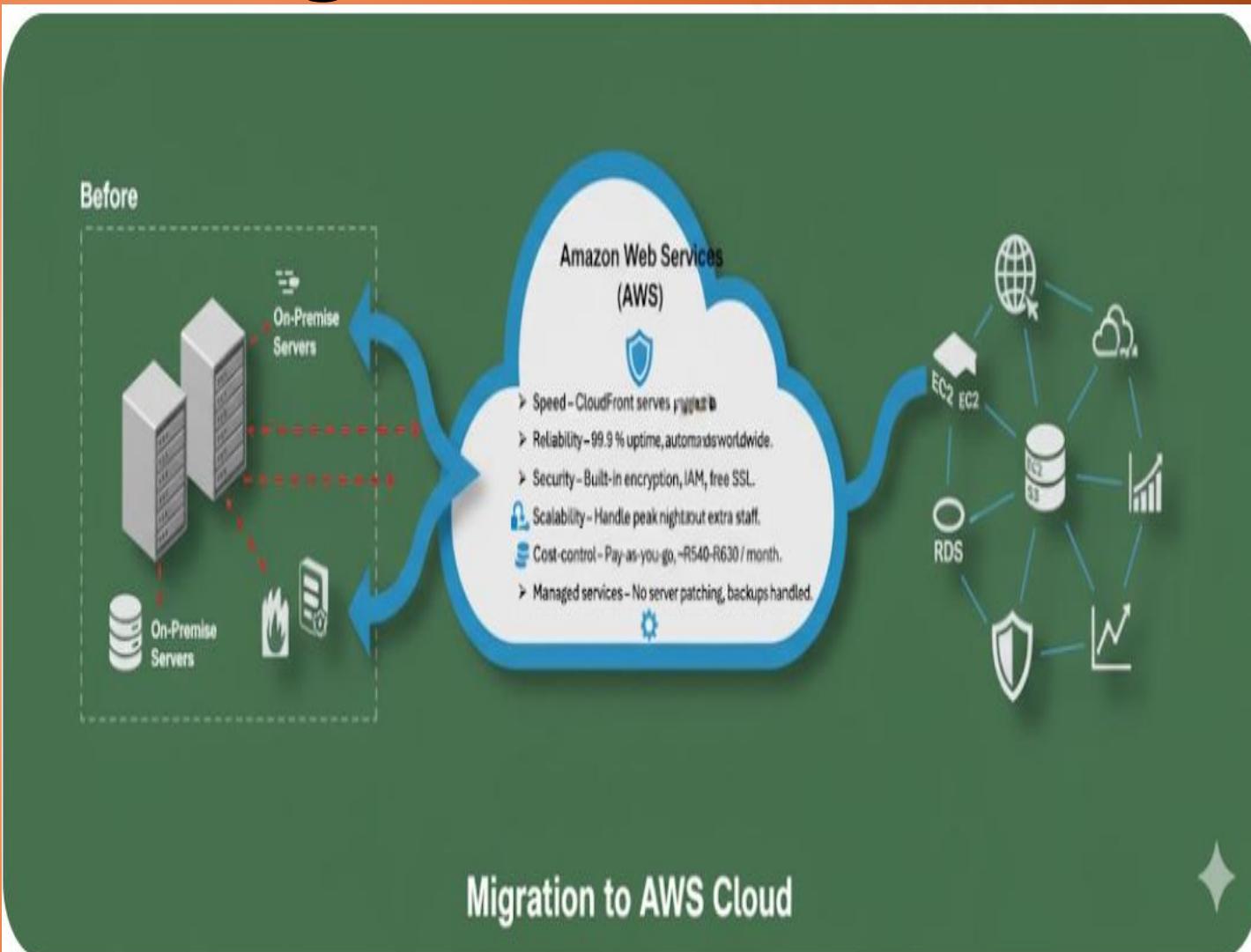
AWS COST ANALYSIS	SERVICES COST GAUGE	AMOUNT IN RANDS
Amazon S3	Low cost	R4
Amazon CloudFront	Most expensive	R470
Amazon Route 53	Low cost	R16
AWS Certificate Manager	Free tier	R0
Amazon API Gateway	Low cost	R0.50
AWS Lambda	Low cost	R4.50
Amazon DynamoDB	Low cost	R48
Amazon Location Service	Free tier	R0
Amazon Cognito	Free tier	R0
Total monthly bill		R540 – R630

Manual System VS AWS Migration:



Benefits of Moving to AWS:

- Speed – CloudFront serves pages in seconds worldwide.
- Reliability – 99.9 % uptime, automatic fail-over.
- Security – Built-in encryption, IAM, free SSL.
- Scalability – Handle peak nights without extra staff.
- Cost-control – Pay-as-you-go, ~R540-R630 / month.
- Managed services – No server patching, backups handled.



Conclusion:

What we learned from moving to AWS as a business:

- Switched from paper notes to AWS.
- Monthly cost dropped from ~R 6 000 to ~R 540-R 600.
- System uptime stays at 99.9 % even during peak times.
- Scale compute with a single click – no new hardware.
- AWS handles security patches & encryption, reducing breach risk.
- Updates go live in minutes, not days, enabling fast improvements

Q & A!!

Feel free to ask anything about our AWS migration!