

The background features a vibrant, multi-colored gradient. It starts with a dark blue on the left, transitions through purple and magenta, and then into bright orange and yellow towards the right. A diagonal line separates the darker blue on the left from the lighter colors on the right.

AWS
re:Invent

SVS329-R

Build a conversational chatbot & gain business insights

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Amazon Web Services

Agenda

Solution overview

Go build!

Related breakouts

AIM302-R – Create a Q&A bot with Amazon Lex and Amazon Alexa

AIM344-R – Crafting a conversational platform strategy

AIM354-R – Build a conversational 3D avatar

ARC205-R – AI/ML-driven business process automation

DEM26-S – How to create a location-aware chatbot, and why

Solution overview

Architecture

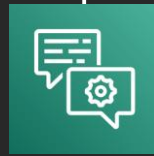
Slot	Value
event_month	March
event_name	Stone Temple Pilots

How many tickets were sold for Stone Temple Pilots in March?

```
SELECT SUM(s.qty) FROM sales s, event e, date_dim d
WHERE e.event_id = s.event_id AND d.date_id = e.date_id
AND LOWER(e.event_name) LIKE LOWER('% Stone Temple Pilots%')
AND LOWER(d.month) LIKE LOWER('%Mar%')
```



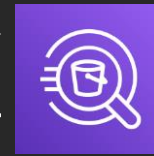
User



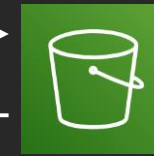
Amazon Lex



Lambda function



Amazon Athena



Amazon S3

There were 52 tickets sold for Stone Temple Pilots in the month of March.

```
{
  "dialogAction": { ..... }
}
```

Result	_col10
1	52

Go build!

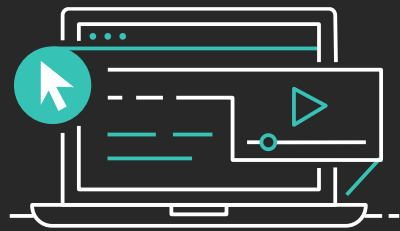
Instructions

<https://github.com/sshvans/aws-reinvent2019-svs329>

1. Create development environment using AWS Cloud9
2. Create TICKIT sample database
3. Create AWS Identity and Access Management (IAM) roles
4. Create Lambda functions
5. Create Amazon Lex bot
6. Create intent
7. Create slot types
8. Configure intent
9. Configure the bot
10. Build and test the bot

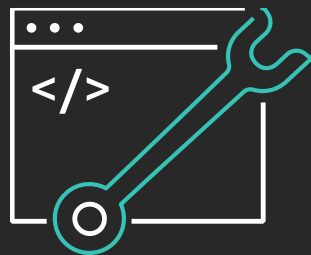
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Thank you!

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