

Maintaining Conversation State



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Agenda



What is State?

The Levels of State

Demo





What is State?

- A bots memory
- Chatbots are stateless by nature
- Helps to add meaning to your conversations



The Levels of State

State Management

Bot State Class

User State

Conversation State

Private Conversation State

Storage Layer

Memory Storage

Azure Blob Storage

Azure Cosmos DB
Storage

Custom Storage



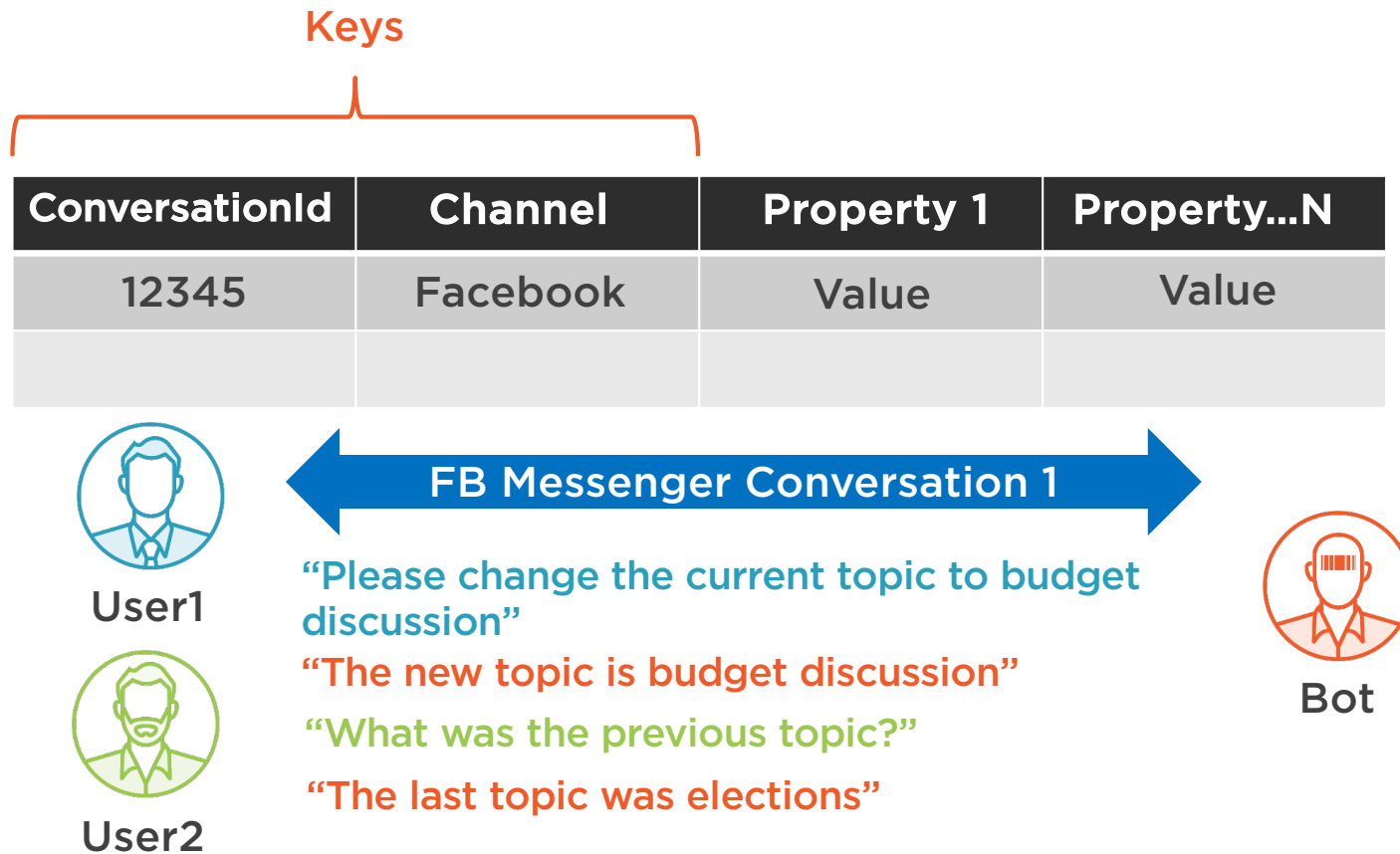
User State

Keys

User	Channel	Property 1	Property...N
MKruczek	Facebook	Value	Value



Conversation State



Private Conversation State

Keys

ConversationId	User	Channel	Property 1	Property...N
12345	MKruczek	Facebook	Value	Value



User1



User2



"Can we take results on the current issue?"

~~"User1 voted yes, and User2 ingtpolls"~~

"I vote yes"

"I vote no"



Bot



The Levels of State

State Management

Bot State Class

User State

State Property Accessor

State Property

Conversation State

State Property Accessor

State Property

Private Conversation State

State Property Accessor

State Property

Storage Layer

Memory Storage

Azure Blob Storage

Azure Cosmos DB
Storage

Custom Storage



Summary



What is State?

- Adds Complexity

The Levels of State

- Storage Layer
- State Management

Demo

