



Implementare chatbot con Azure Cognitive Services

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Microsoft Bot Framework

- Servizi REST e SDKs .NET Standard, Node.js, Java (preview), Python (preview)
- Supporto multicanale (Facebook Messenger, Telegram, Slack, Kik, Line, GroupMe, Skype, Skype for Business, Teams, Cortana, Email, Twilio SMS, Directline, Webchat)
- Azure Web App o Azure Functions
- Templates preconfezionati ([BotBuilder-Samples github repository](#))
- Emulatore cross platform (permette di testare in locale)
- Integrazione con Azure Cognitive Services

Azure Cognitive Services

- LUIS: Language Understanding
- Speech: Text-2-Speech & Speech-2-Text
- QNA Maker: Build question and answers bot based on URLs, documents, product manuals
- Search: Bing Web Search, Bing News Search, Bing Local Business Search (preview)

Pricing Microsoft Bot Framework

	Standard Channels (Facebook Messenger, Slack, Teams, ...)	Premium Channels (directline & webchat)
Free	Free unlimited messages	10.000 messages/month
S1	Free unlimited messages	€ 0,422 per 1.000 messages

Pricing Azure Cognitive Services

Service	Plan	Limits	Features	Price
LUIS	Free	5 trans./sec	Text requests	10.000 trans. free per month
	Standard	50 trans./sec	Text requests Speech requests	€ 1,265 per 1.000 trans. € 4,639 per 1.000 trans.
QNA Maker	Free	3 trans./sec	Up to 1MB each doc. Up to 100 trans. per min Up to 50.000 trans. per month	3 managed documents free per month
	Standard	3 trans./sec	Up to 100 trans. per min	€ 8,433 for unlimited managed documents

Pricing Azure Cognitive Services

Service	Plan	Limits	Features	Price
Speech	Free	1 concurrent request	Speech translation Speech-2-Text Text-2-Speech (standard voice) Text-2-Speech (custom voice)	5 hours free per month 5 hours free per month 5 million characters free per month 5 million characters free per month
	Standard	20 concurrent requests	Speech translation Speech-2-Text Text-2-Speech (standard voice) Text-2-Speech (custom voice)	€ 2,109 per hour € 0,844 per hour € 3,374 per 1 million characters € 5,06 per 1 million characters

Open discussion

- Il backend deve essere hostato su Azure?
- Come viene gestito lo stato della conversazione?
- Supporto Multilingua?
- Autenticazione?