

The Santa Cloud

How a multi-national organization uses the Microsoft Cloud to scale its business processes and tools for ridiculously high peak usage



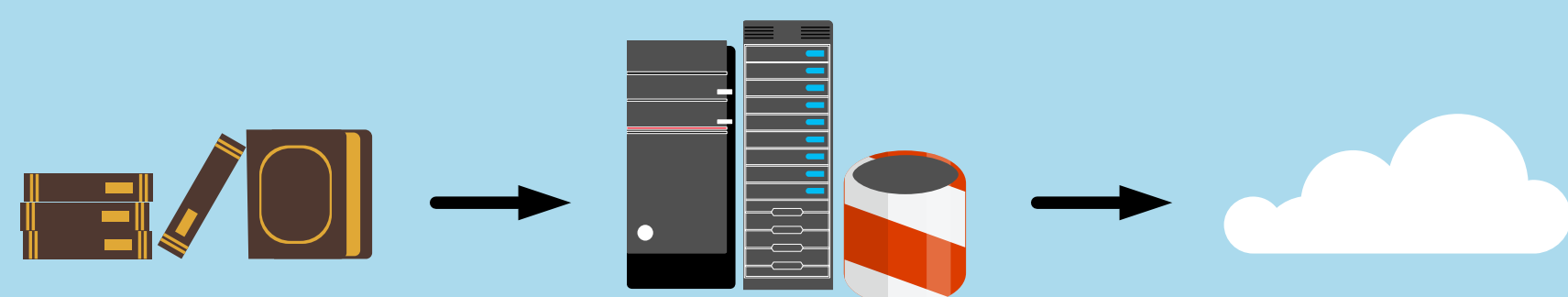
aka.ms/cloudarchseries
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Once upon a time, Santa Claus and his elves kept the list of children, the toys they wanted, and their naughty or nice status in leather-bound volumes.

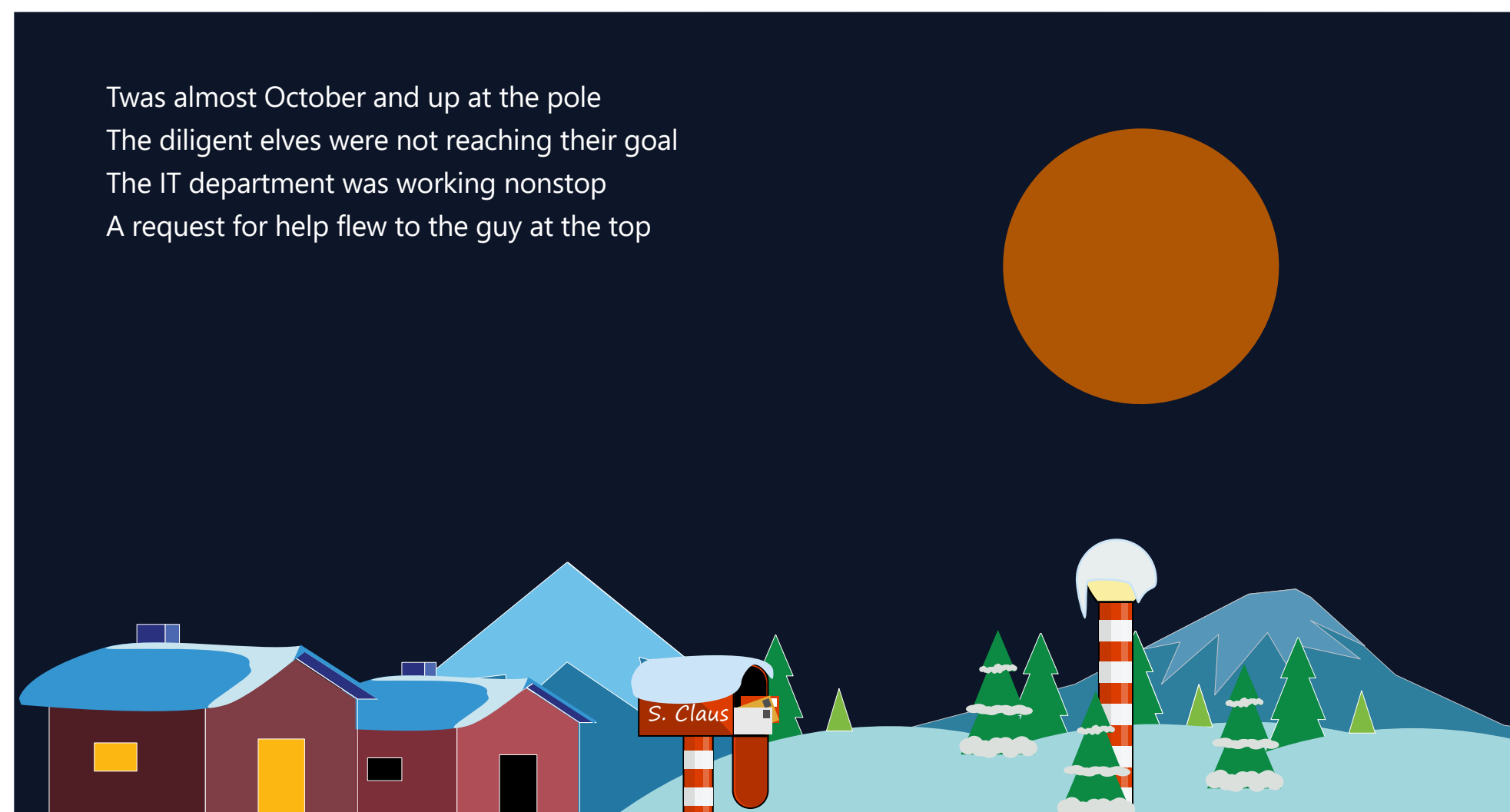
In recent years, Santa realized he had a problem. His on-premises datacenters could not grow fast enough for the end-of-year processing required to meet his December 24 delivery deadline.

As the world's population grew, those ledgers became databases stored on servers at the North Pole.

Santa and his elves needed an elastic computing solution that could grow with demand and handle all their personal productivity, partner management, and data collection and analysis needs.

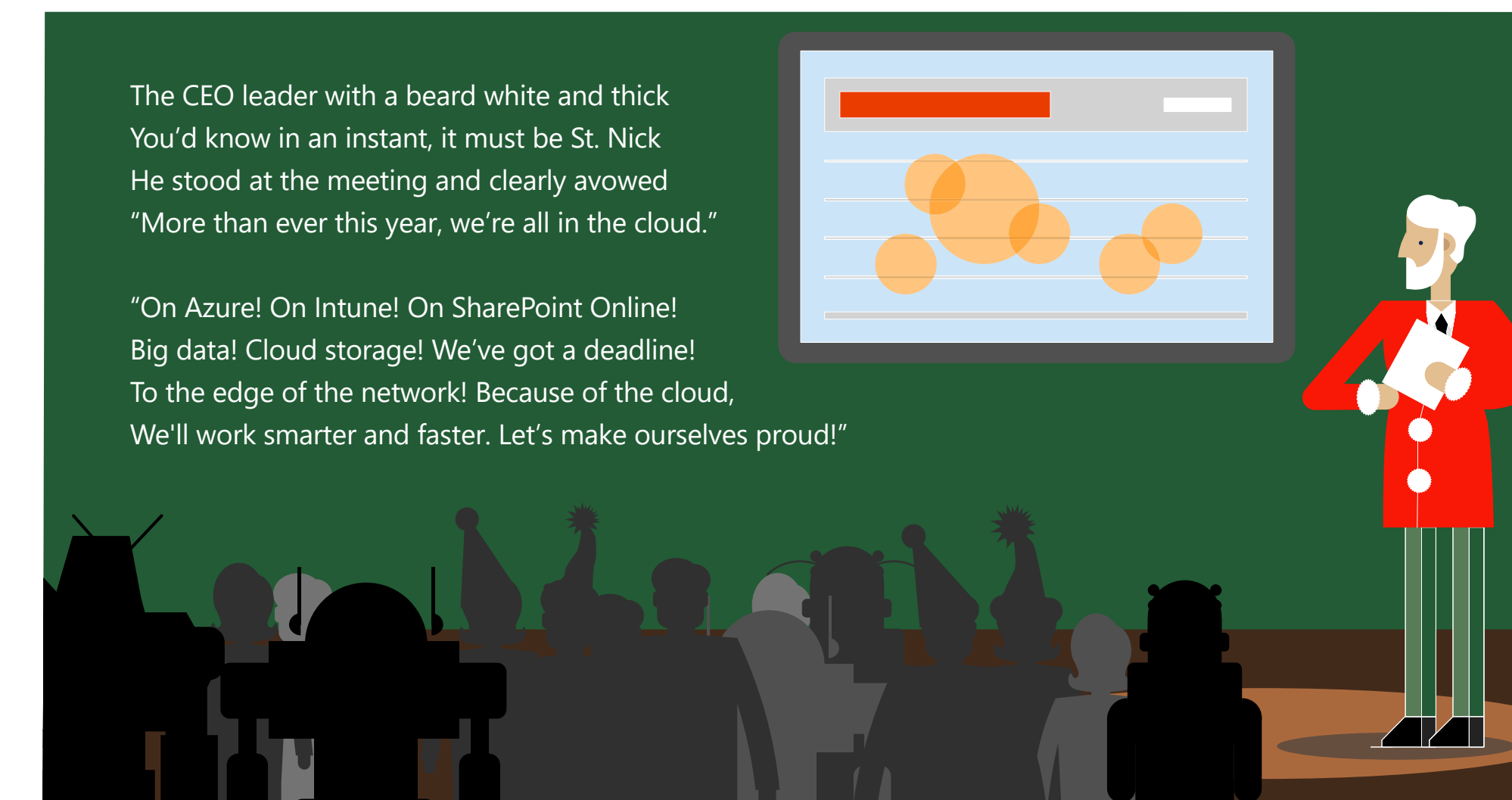


'Twas almost October and up at the pole
The diligent elves were not reaching their goal
The IT department was working nonstop
A request for help flew to the guy at the top

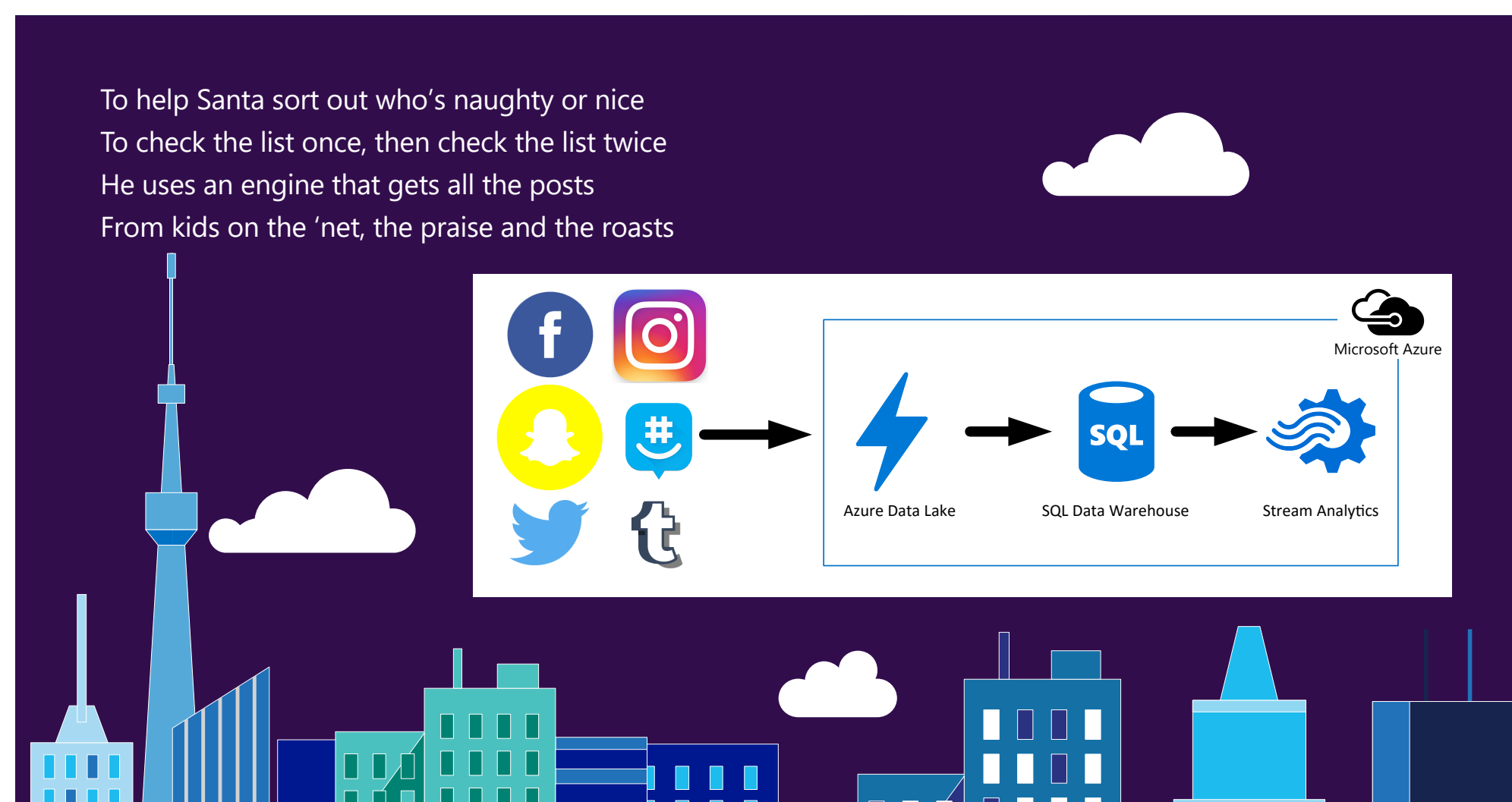
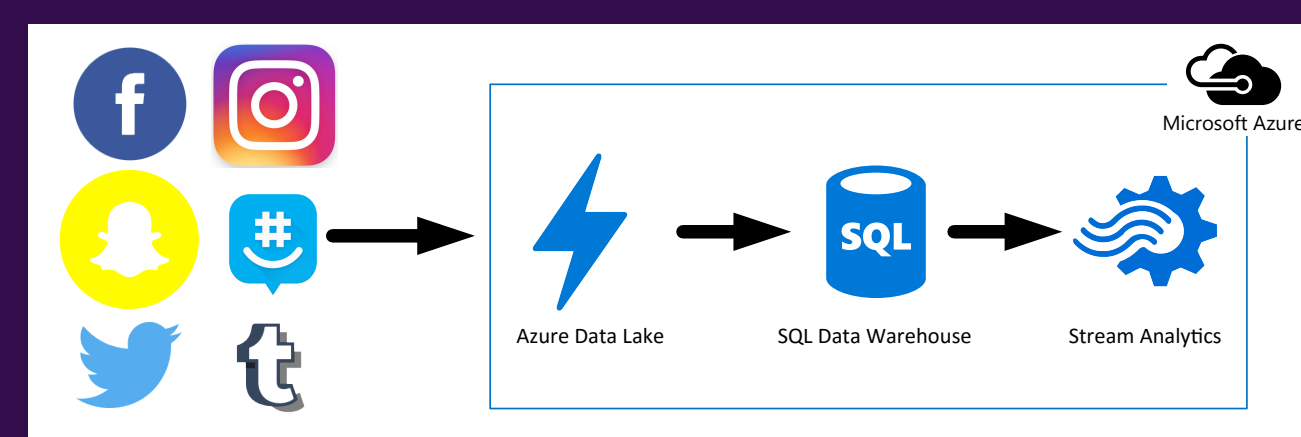


The CEO leader with a beard white and thick
You'd know in an instant, it must be St. Nick
He stood at the meeting and clearly avowed
"More than ever this year, we're all in the cloud."

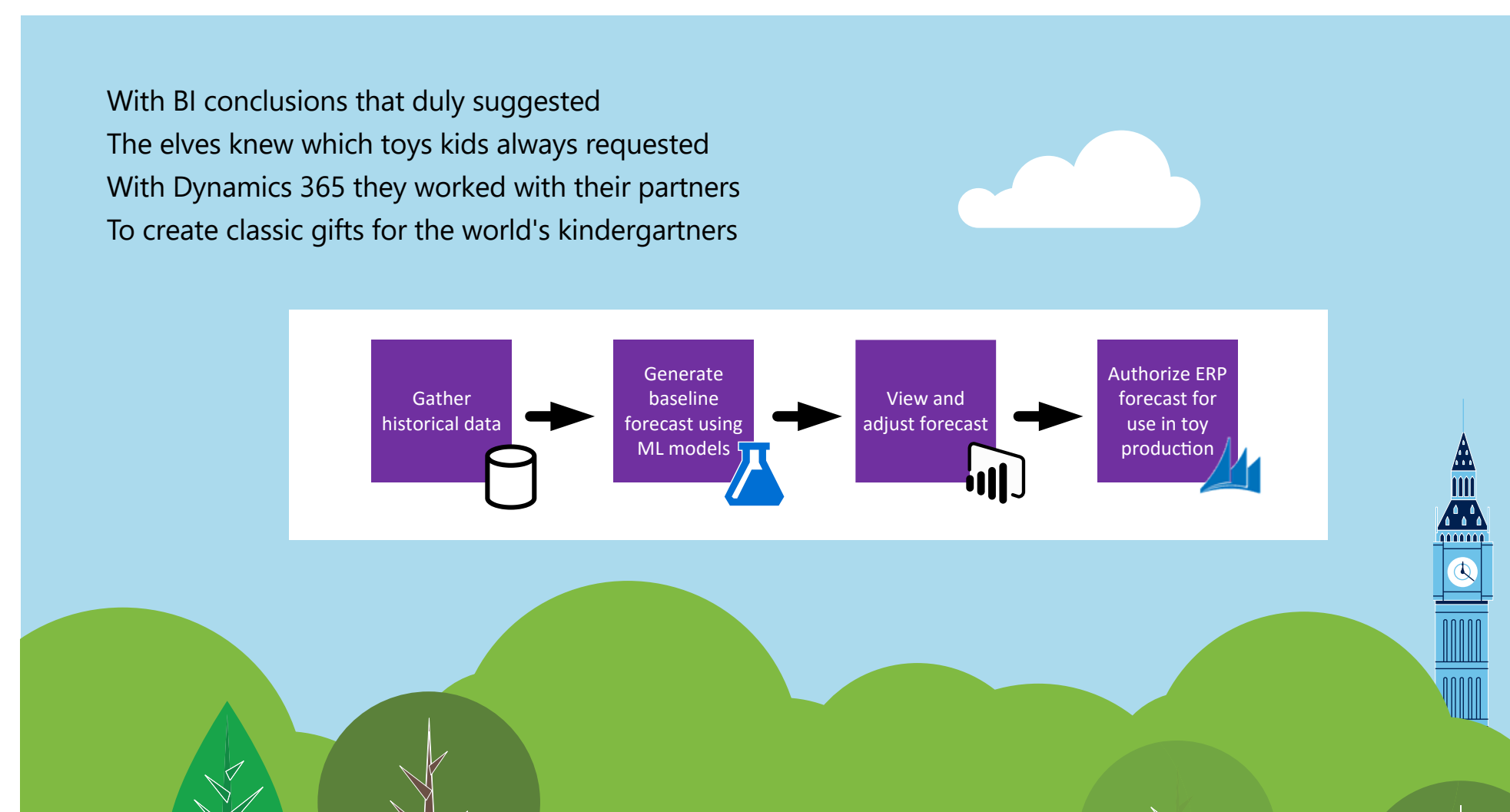
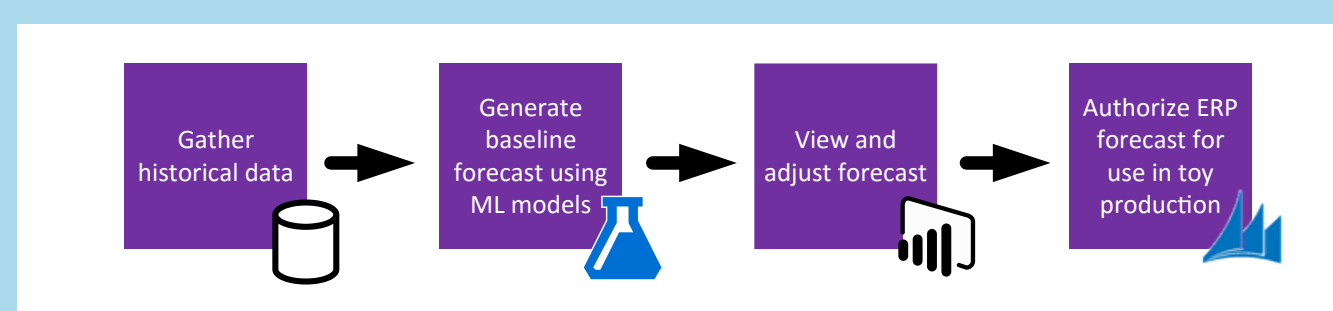
"On Azure! On Intune! On SharePoint Online!
Big data! Cloud storage! We've got a deadline!
To the edge of the network! Because of the cloud,
We'll work smarter and faster. Let's make ourselves proud!"



To help Santa sort out who's naughty or nice
To check the list once, then check the list twice
He uses an engine that gets all the posts
From kids on the 'net, the praise and the roasts

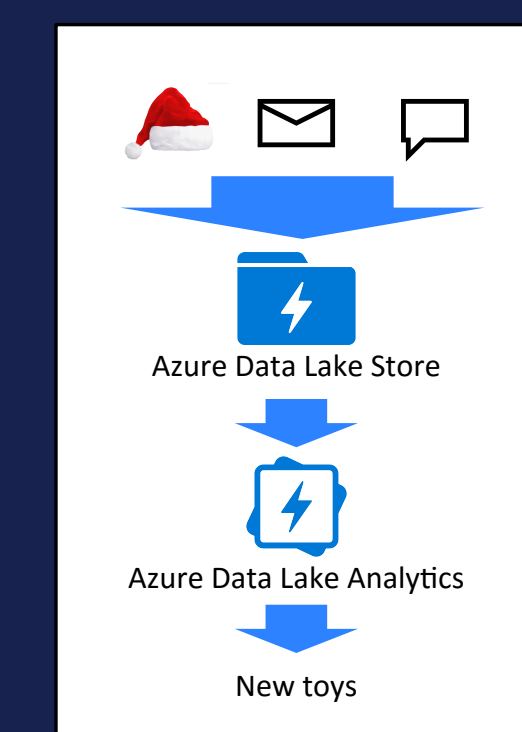


With BI conclusions that duly suggested
The elves knew which toys kids always requested
With Dynamics 365 they worked with their partners
To create classic gifts for the world's kindergartners



The letters were coming, increasing each day
Entreating the toys to be packed on the sleigh
All Santa's Helpers in department store booths
Sent their requests from many small youths

Letters to emailsanta.com
IMs and texts, from Paris to Guam
All of that data fed into a lake
So the elves could decide which new toys to make

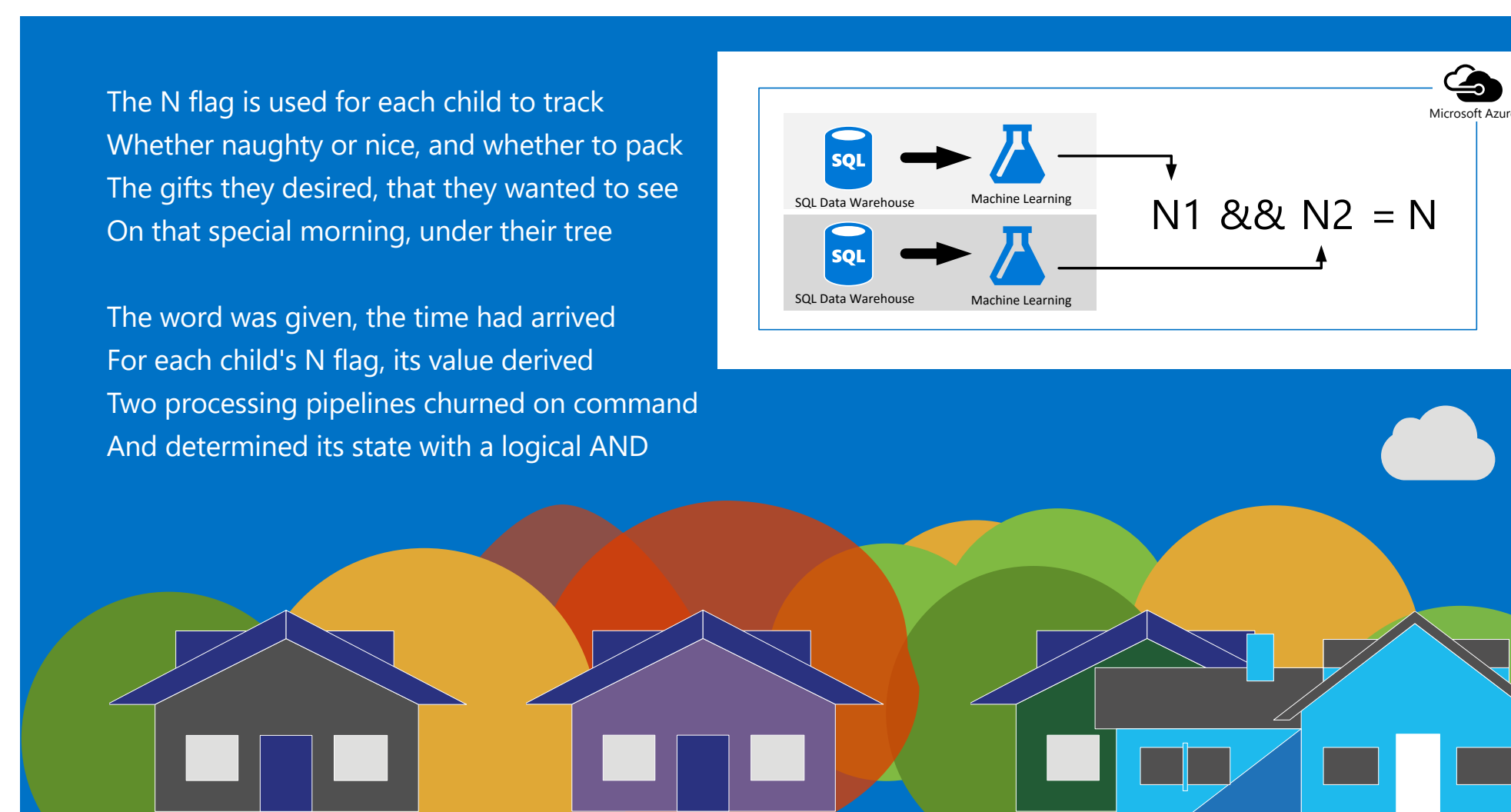
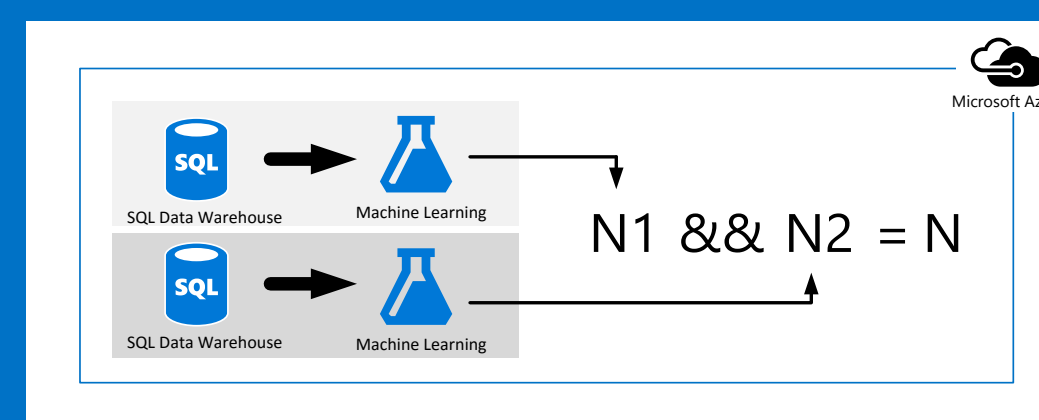


Based on the letters and the latest toy tweets
From a cuddly bear to an Xbox Elite
The elfish toy managers had to adjust
This wasn't a problem, for the cloud is robust



The N flag is used for each child to track
Whether naughty or nice, and whether to pack
The gifts they desired, that they wanted to see
On that special morning, under their tree

The word was given, the time had arrived
For each child's N flag, its value derived
Two processing pipelines churned on command
And determined its state with a logical AND



His team, how they cheered! They met all their goals
Rejoicing they danced around snowy white knolls
The IT department high-fived with both hands
The cloud was elastic, it met their demands

Packed in his sleigh, with his new Surface Book
Reins in his hand, to the air reindeer took
With a smile on his face, he shouted aloud
"Thanks to the elves and the Microsoft cloud!"



SANTA'S CLOUD UTILIZATION OVER A YEAR