Adventures in

The Cloud World

With Bella & Nini

The Cloud World

Aka: data centre

Server room

Loads of super-fast computers

Warm air

Raised floor with cool air

Power room
UPS: uninterruptible power supply

Meet-Me room
Lots and lots of important wires that are not allowed to come loose or get tangled up

Security camera
They're everywhere!

CRAC = Computer Room Air Conditioner
A special air conditioner for the server room to ensure that the room stays at the right temperature

Cooling
A cooling system on the roof also known as a 'chiller'

Transformer
Sometimes called xformer or TX for short.

No, it's not lightning, but 'high voltage' means lots and lots of electricity, which gets divided through the data centre

Fire extinguishing system
If there's a fire, we don't use water to put it out. Instead, we use a gas that removes the oxygen from the air

Also on the roof:
Solar panels

N
W E
S

Adventures in the Cloud World

With Bella & Nini

DIGITAL REALTY

About Digital Realty
Digital Realty brings companies and data together by delivering the full spectrum of data center, colocation and interconnection solutions. PlatformDIGITAL®, the company's global data center platform, provides customers with a secure data meeting place and a proven Pervasive Datacenter Architecture (PDx ®) solution methodology for powering innovation and efficiently managing Data Gravity challenges. Digital Realty gives its customers access to the connected data communities that matter to them with a global data center footprint of 300+ facilities in 50+ metros across 25+ countries on six continents. To learn more about Digital Realty, please visit digitalrealty.com or follow us on LinkedIn and X.

Somewhere far, far away (or maybe just around the corner, if you happen to live on the same street), live two sisters, Bella and Nini. They live at home with their parents; there is not a lot of excitement around the house, so Bella and Nini often escape to imaginary worlds.

Sometimes, they'll make a fort with pillows and pretend it's a castle. Their dad is allowed in only when he brings tea and biscuits.

Other times, Bella and Nini put on their VR headsets and explore the virtual world that's exciting and full of adventures. Right now, they're on a roller coaster surrounded by hungry dinosaurs. Bella's having the time of her life, while Nini would rather stay at her castle dressed in a ball gown.

The sisters have never been on a roller coaster quite like this! The carts swerve from left to right and up and down, before diving into a corkscrew. What an odd word, corkscrew! Bella thinks. Perhaps they should call it a tummy-twister instead because her tummy feels like it's turning cartwheels right now.

The cart carrying Bella and Nini slowly makes its way to the top of the roller coaster. Nini quietly enjoys the wonderful view in front of her, while Bella's attention is diverted - she spots a dinosaur approaching them from behind! He opens his jaws, hungry for a nice, tasty snack. "Hurry up!" Bella screams. And then everything goes black.

"What's this?" Bella asks herself aloud. She feels a tap on her shoulder. She turns around, startled, but all she sees behind her is just darkness.

"Hello? Who's there?" Bella says, sounding braver than she feels. She hears a voice calling from far away: "Hey, silly, take off your headset." Bella removes the headset, and she is back in her room, with Nini standing in front of her holding her own headset.

"Hello?"

Oh no, the internet connection is down! And that's a disaster in a smart home like theirs. No lights, no doorbell, no heating, no television, no music... It's like being back in the Middle Ages.

"Our smart home has turned into a dull home," Nini says, frustrated. The two sisters check every plug and cable, but everything seems all right. What could be the problem?

Bella and Nini suddenly hear a 'crackling' sound. No. crackling isn't the right word. It's more like... well... nothing the girls had ever heard before. Whatever it was. it was coming from outside.

The two sisters walk outside and see a cloud filled with binary code made up of zeroes and ones. Streaks of lightning zap through the cloud. A supersonic jet flies out of the cloud. Perhaps the jet will lead them to the answer.

Their parents have told Bella and Nini time and time again not to get in a car with strangers. Still. they never said anything about empty supersonic jets flying out of strange clouds. The two sisters quickly step on board.

The Cloud World

The girls have hardly fastened their seat belts when the jet takes off at full speed. Nini studies the flight plan as if it's the most natural thing in the world and sees their destination marked on the map: The Cloud World.

The big advantage of a supersonic jet is that you can fly anywhere within a few minutes. Just like that, really. Otherwise, this book would have been much thicker.
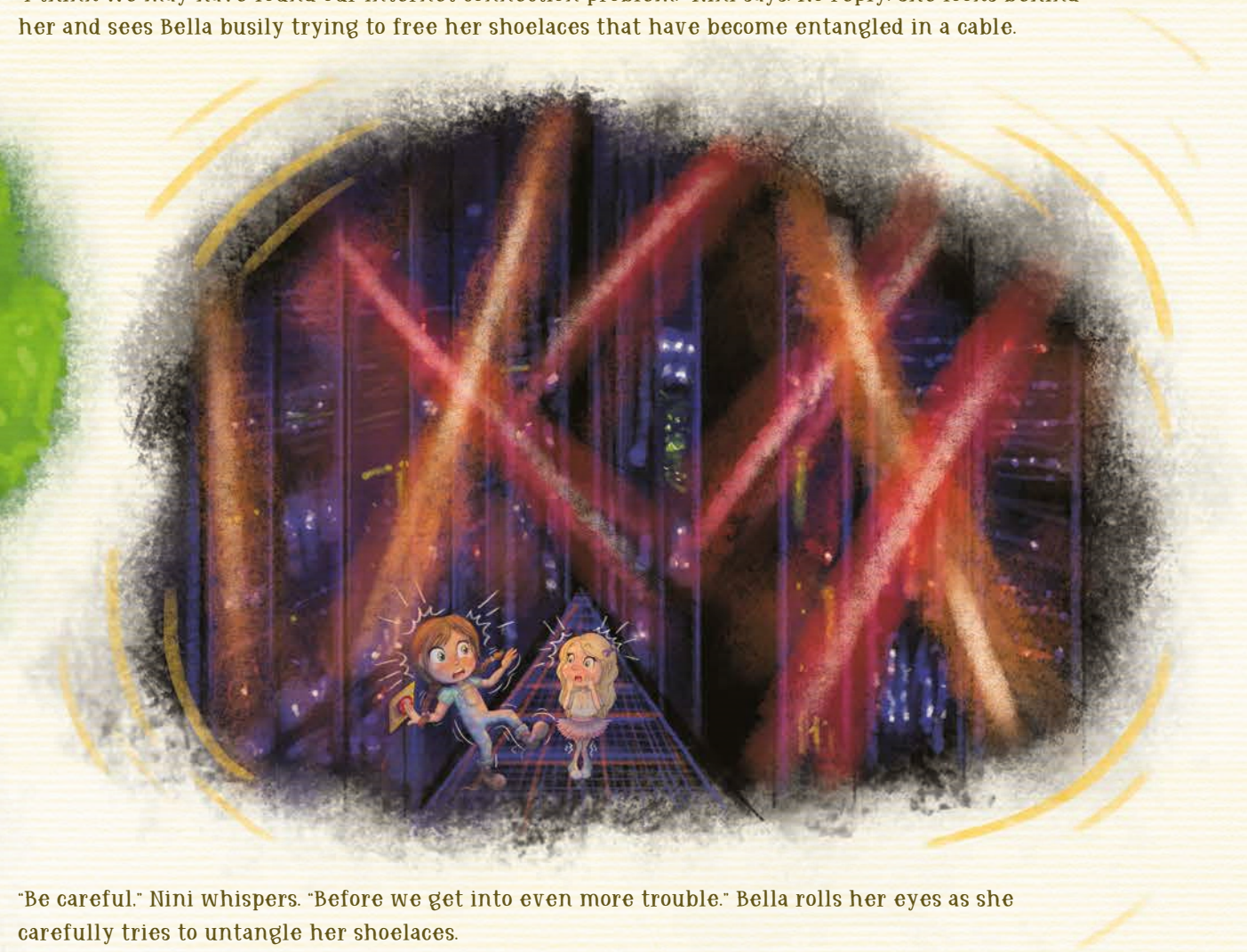
The jet lands, and Bella and Nini step off the plane into a strange, fantastic world. They see a signpost next to a path. Nini reads the words on the signs out loud. "Left: danger, scary animals, poisonous plants, explosions, wrong way. Right: adorable goats, chocolate fountain, giant bouncy castle, flowery fields, solutions to internet problems." Bella looks at Nini and says, "Well, that's settled. We're going left." And off they go on their exciting journey.

After battling wild bears and engaging in a serious conversation with poisonous snakes. Bella and Nini finally make it to the server room. safe and sound.

BAM!

KAPOW!

No need to be so hostile.

Just be nice.

The enormous room is packed with tall. glowing cabinets stretching from floor to ceiling. And among all those hundreds of cabinets. only one is dark.

"I think we may have found our internet connection problem." Nini says. No reply. She looks behind her and sees Bella busily trying to free her shoelaces that have become entangled in a cable.

"Be careful." Nini whispers. "Before we get into even more trouble." Bella rolls her eyes as she carefully tries to untangle her shoelaces.

"There. I got it!" Bella says proudly. But as she takes her first step. Bella discovers that she's forgotten to do one thing: retie her shoelaces. She almost falls over. but thankfully a button breaks her fall.
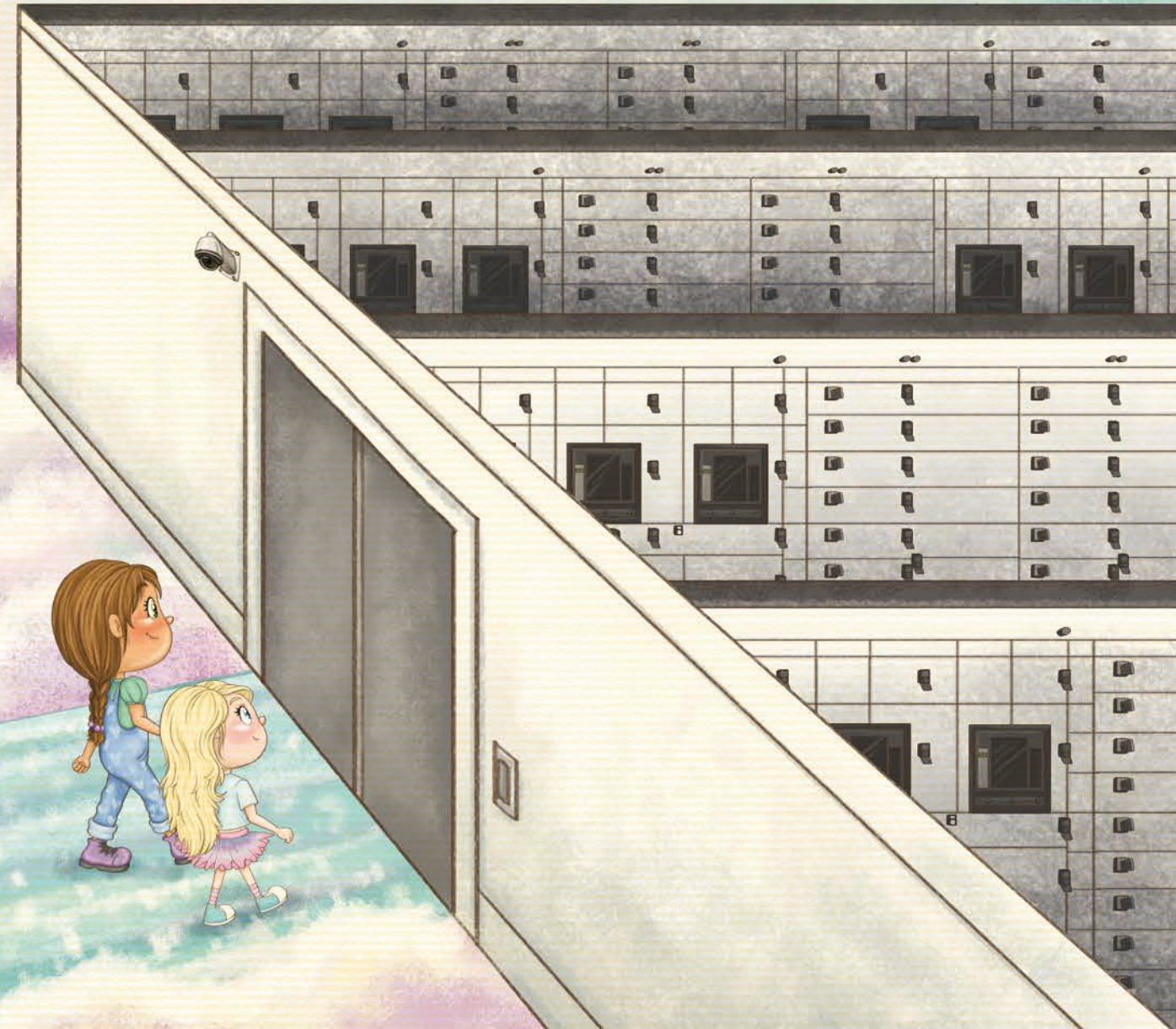
A large button. A large. red button. A large. red button marked 'STOP' in giant letters. A deafening wail fills the room. and red lights start to flash everywhere. Whoops.

As they enter the room, they see thousands of buttons and more wires, cables, plugs and other things that have to do with electricity. How on earth will we find the source of the problem here, the girls wonder. But before they can even begin to look, the door springs open: BAM!

Bella and Nini run out of the server room. "Someone's coming! Pretend everything's fine," Nini says. The two sisters stroll down the hall, whistling, as a robot dog approaches them. He sniffs their feet, growls, and starts to bark. Bella rummages around in her pockets. To her surprise, she discovers a couple of screws in her pocket. "How about a treat?" Bella asks as she gives the screws to the dog, who is happily wagging his tail now.
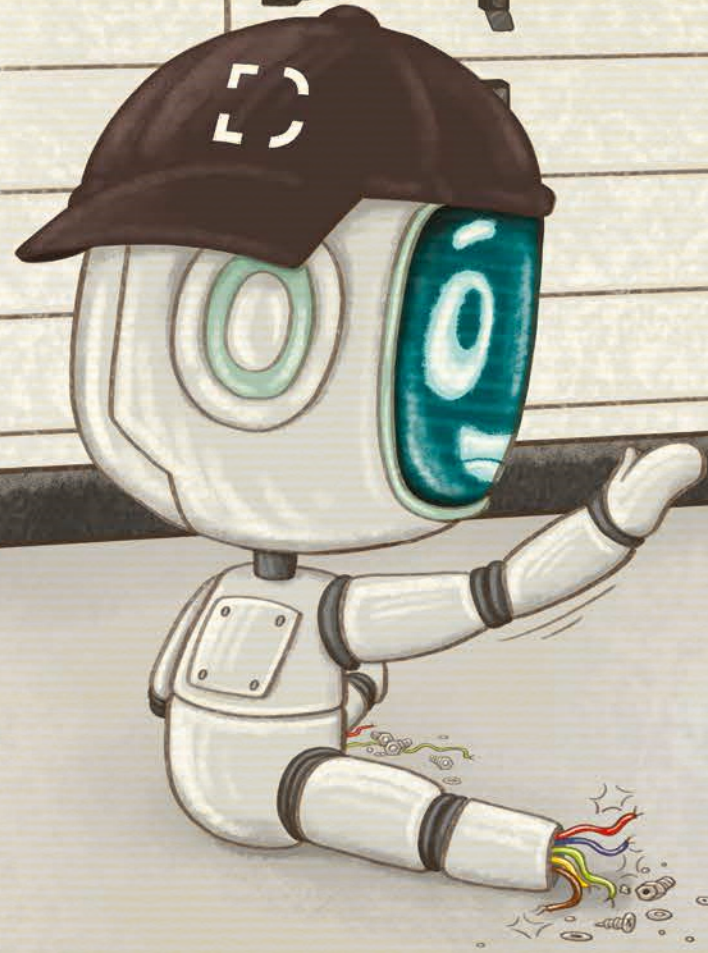
Nini looks at her sister in amazement and asks how those screws ended up her pocket. "What you should be asking is why you don't have any in your pocket," Bella replies as she enters the power room.

Bella and Nini jump back in fright as a robot comes crashing through the door, scattering parts everywhere. They walk up to the robot, who is busily trying to put himself back together again.

They ask, "Who are you?" with curiosity. "Ha! Now that's what I call 'making an entrance'! I am JB52Q8, but my friends call me JB. Welcome to the data centre. I am a programmable machine that processes information, carries out various physical tasks and... &*#ˆ%(#. Sorry. I must still have a loose screw somewhere." Nini nods in understanding. "Sometimes my sister has that problem too."
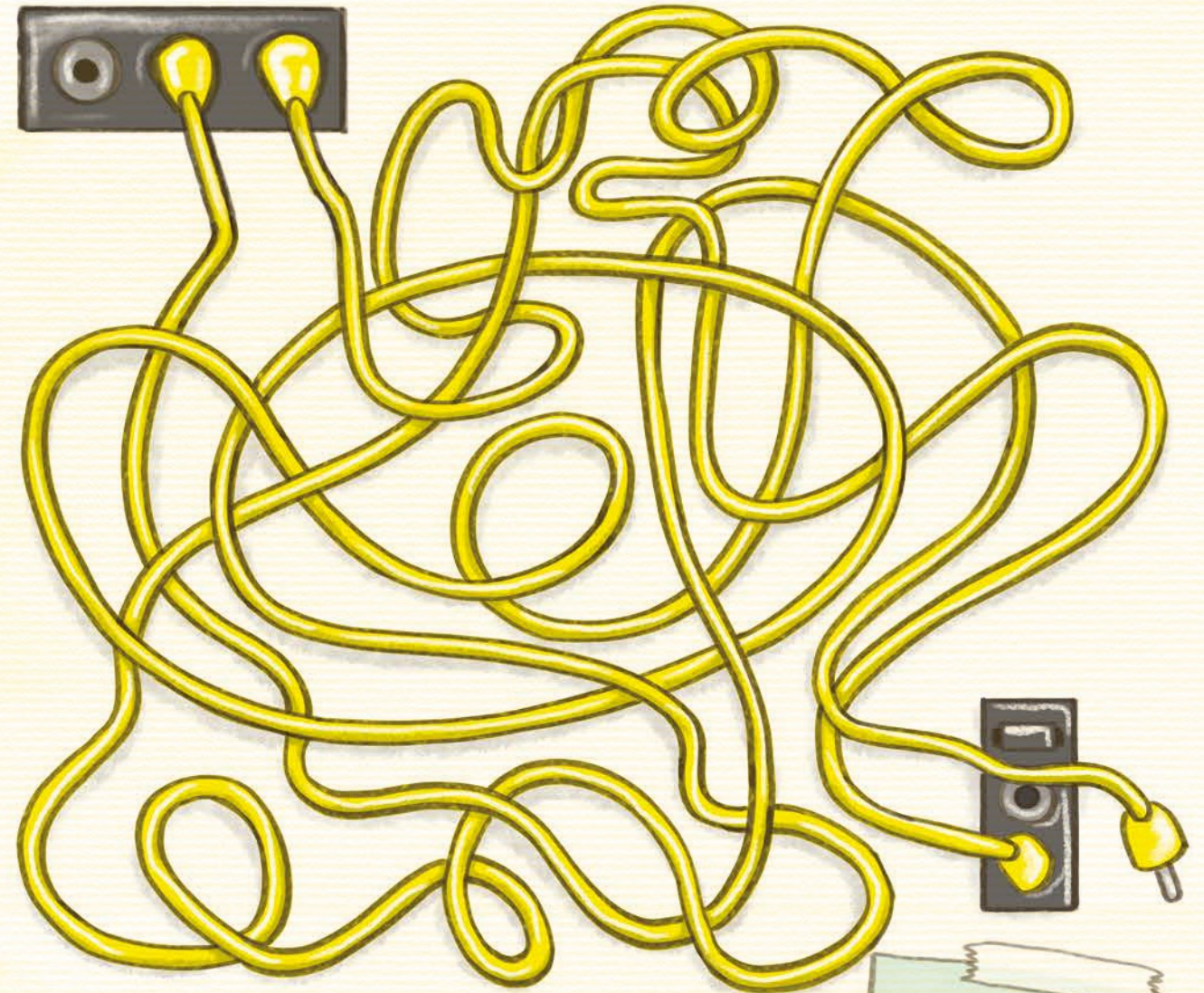
Bella and Nini explain the internet connection problem to JB. "You won't find the answer here. You need to go to the Meet-Me room." JB explains. "Come with me!" The friendly robot takes the sisters to a room packed with cables. Will they find the answer here?

Bella. Nini and JB look around and see a loose wire hanging in the distance. But where does the wire go? There must be hundreds of wires in this room. all lying jumbled up in one big mess. They look like a giant pile of tangled Christmas lights. They have no idea where to start.

BELLA AND NINI NEED YOUR HELP. CAN YOU FIND OUT WHICH CABLE IS UNPLUGGED?

Read this if you have chosen the wrong cable:

try again.

Read this if you have chosen the right cable:

You are amazing! Without you, this story would never have had a happy ending. Here's a picture of a super cute kitten as a thank you.
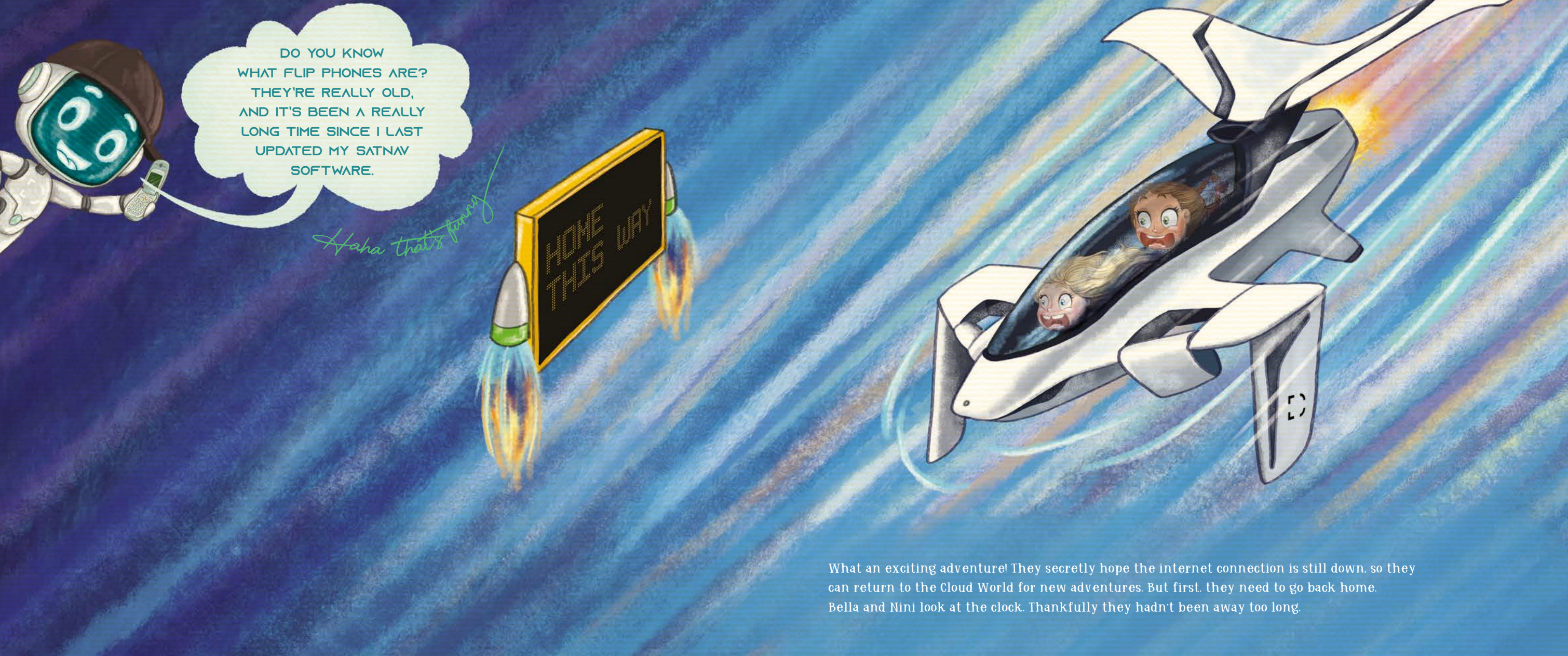
"Hmm, now I need your help." JB says as he points at the screen. "Can you check the box that says I'm not a robot? And then click the squares showing traffic lights?" The sisters laugh. Sometimes you do need people to do a robot's work!

Nini plugs the cable back in. "Right, now let's see if it worked." JB scans a projection of the server room on the wall and sees that all the lights are back on. That's a good sign, but to confirm that everything is indeed working again, he sits down behind the computer and visits the website www.ismyinternetworking.com

It's working again! Now it's time to go home. "Mum and dad are probably frantic with worry. They might have called the police and posted flyers everywhere with our faces and 'missing' in giant letters."

The supersonic jet brings the girls back home. They wave goodbye to their new friend JB. "Will you come and visit us someday?" JB nods. "But then I'll have to update my satnav first because the last time I had that updated was back when we had flip phones. haha." Bella and Nini laugh. although they don't have a clue what JB's talking about.

DO YOU KNOW WHAT FLIP PHONES ARE? THEY'RE REALLY OLD, AND IT'S BEEN A REALLY LONG TIME SINCE I LAST UPDATED MY SATNAV SOFTWARE.

Haha that's funny

HOME THIS WAY

What an exciting adventure! They secretly hope the internet connection is still down. so they can return to the Cloud World for new adventures. But first. they need to go back home. Bella and Nini look at the clock. Thankfully they hadn't been away too long.

Bella and Nini run inside. "Don't panic, everything's all right! We're back home, safe and sound!" Their dad wakes up from his mid-afternoon nap on the sofa. "Huh, what?" He hadn't even noticed that his daughters had been gone. Just as they're about to ask him where Mum is, she enters the room. She must be beaming from ear to ear to see that Bella and Nini have returned.

"I can't believe it! The toilet paper, milk and potatoes are on sale today at the supermarket. Today just keeps getting better. Have I missed anything?"

"Well, as it just so happens, you have." Bella says. "Our internet was down, but we hopped on a supersonic jet that took us to a place called the Cloud World."
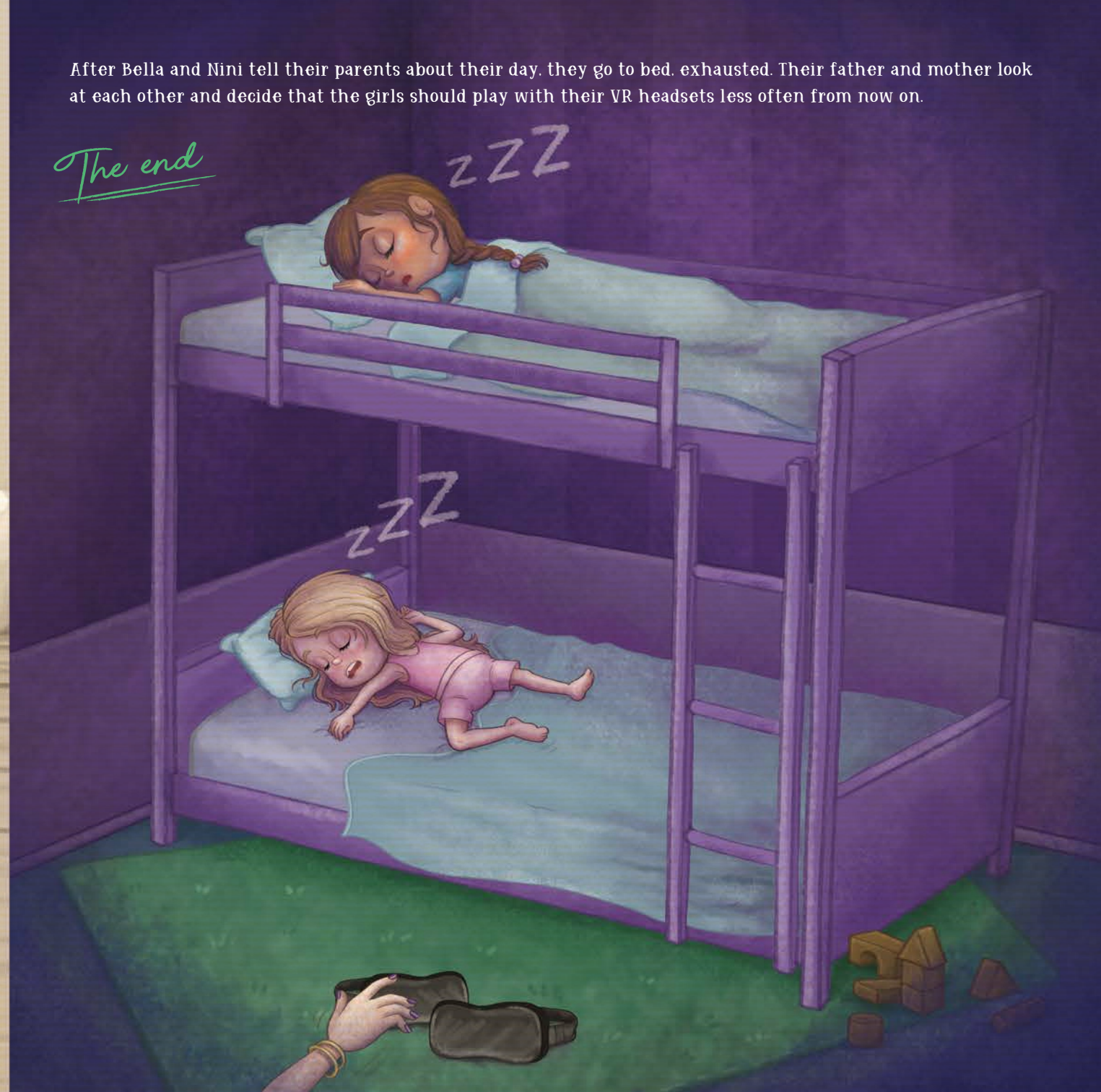"At first, we couldn't find the answer, but our new friend JB52Q8 helped us out. We call him JB, by the way."
Nini adds. "And don't forget the giant maze. It had hundreds of wires."
"Oh, and we also met a robot dog who loves to eat screws!"

After Bella and Nini tell their parents about their day, they go to bed, exhausted. Their father and mother look at each other and decide that the girls should play with their VR headsets less often from now on.

The end

The Cloud World

Aka: data centre

Power room
UPS: uninterruptible power supply

Meet-Me room
Lots and lots of important wires that are not allowed to come loose or get tangled up

Security camera
They're everywhere!

Server room

Loads of super-fast computers

Warm air

Raised floor with cool air

CRAC = Computer Room Air Conditioner
A special air conditioner for the server room to ensure that the room stays at the right temperature

Cooling
A cooling system on the roof also known as a 'chiller'

Transformer
Sometimes called xformer or TX for short.

No, it's not lightning, but 'high voltage' means lots and lots of electricity, which gets divided through the data centre

Fire extinguishing system
If there's a fire, we don't use water to put it out. Instead, we use a gas that removes the oxygen from the air

Also on the roof:
Solar panels

All equipment, features and solutions noted in The Cloud World are for illustrative purposes only and are not intended to represent any Digital Realty data center or data centers.

N
W   E
S

Somewhere far, far away (or maybe just around the corner, if you happen to live on the same street), live two sisters, Bella and Nini. One day, as they're playing with their VR headsets, the internet connection shuts down. No more internet. It's just... gone. They go on an adventure to the bizarre world of the cloud, where they encounter bears, snakes, and robots along the way.
Will they find the answer in the cloud?

DIGITAL REALTY™