Behind the Scenes: Product Delivery

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Juris Lambda

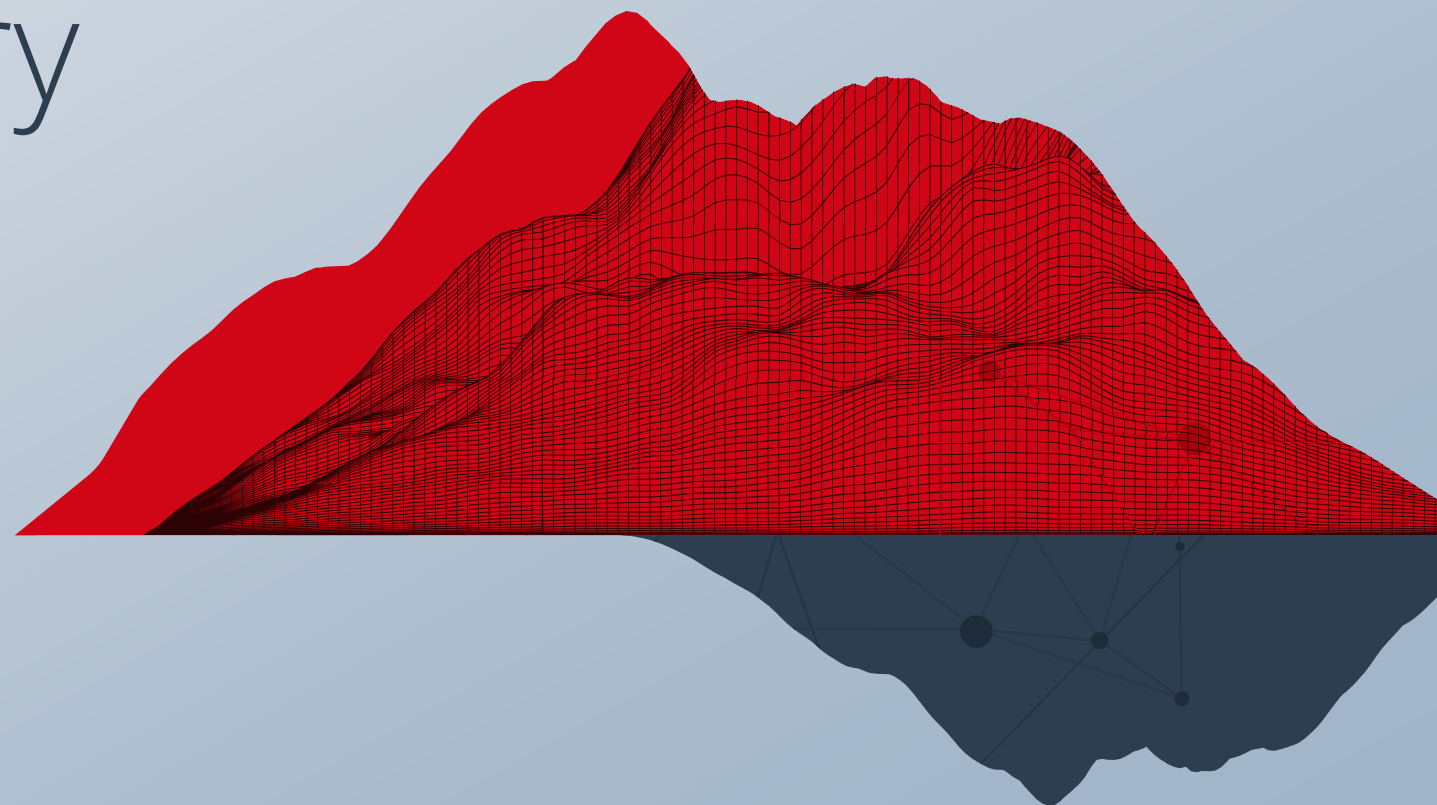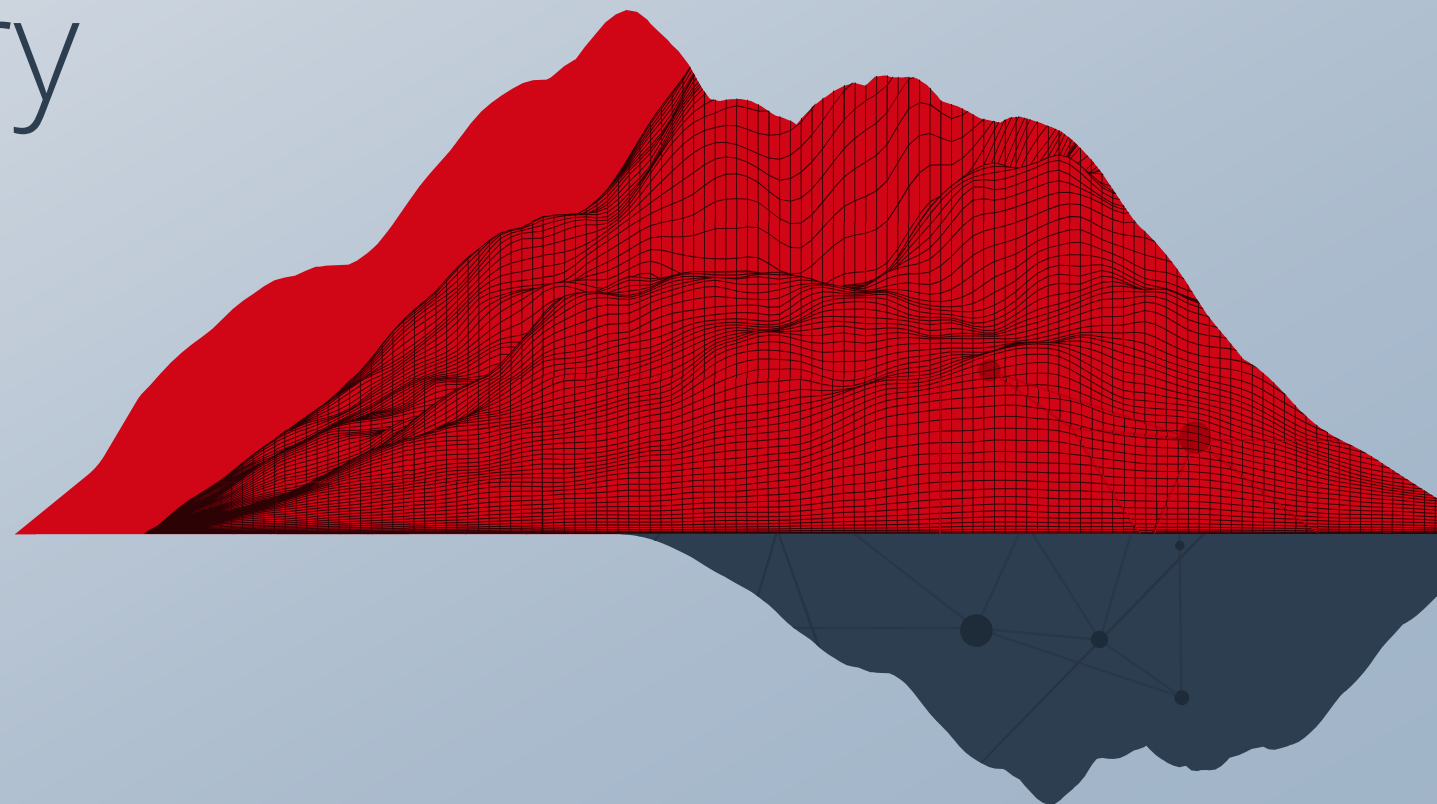C Developer, Zabbix, Latvia

Behind the Scenes: Product Delivery

Juris Lambda

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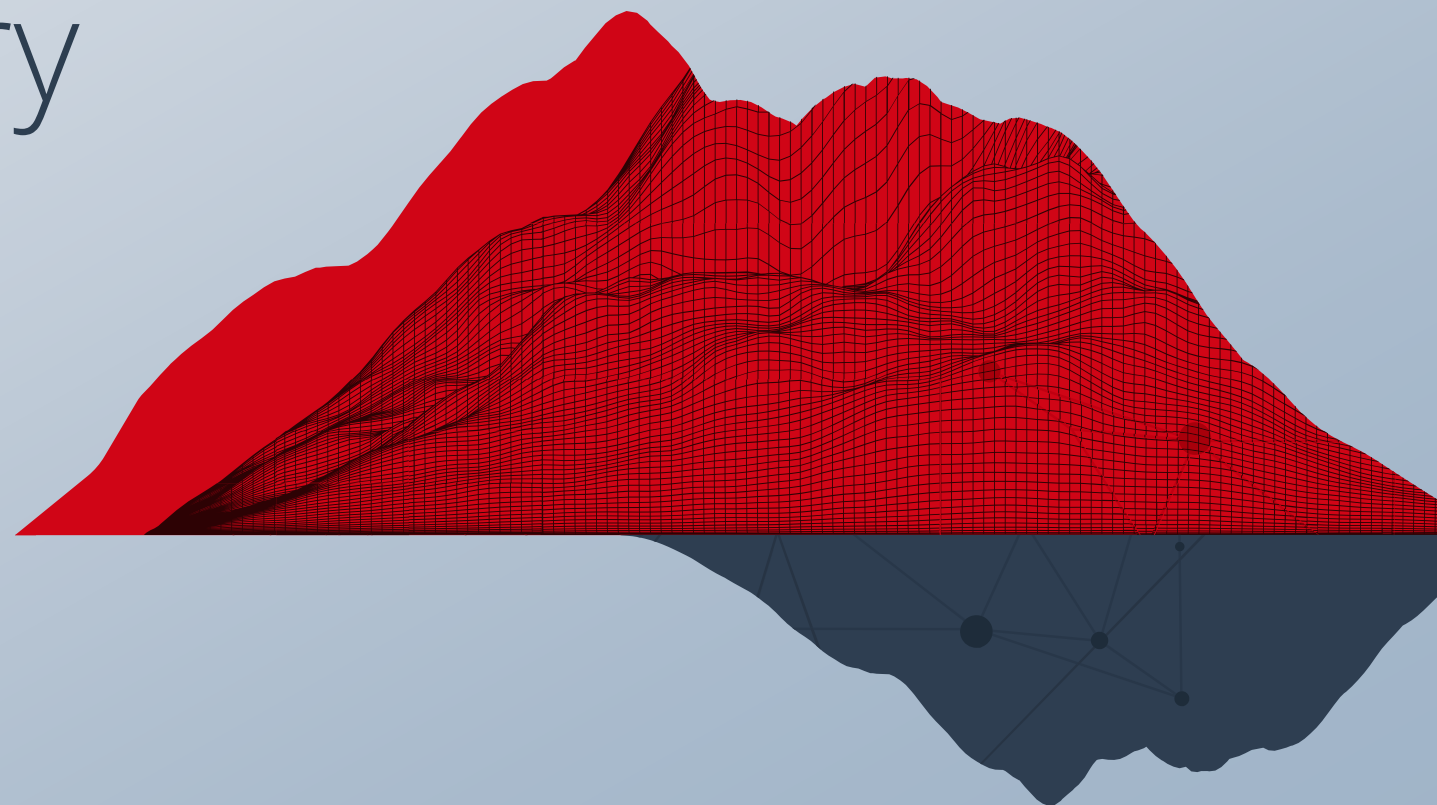SUMMIT
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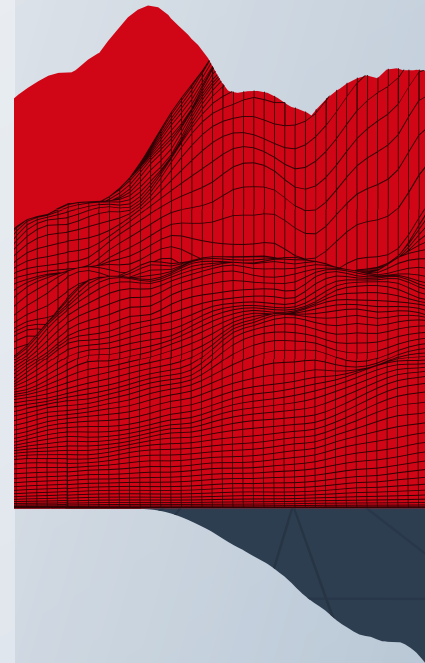
What this Talk will Cover
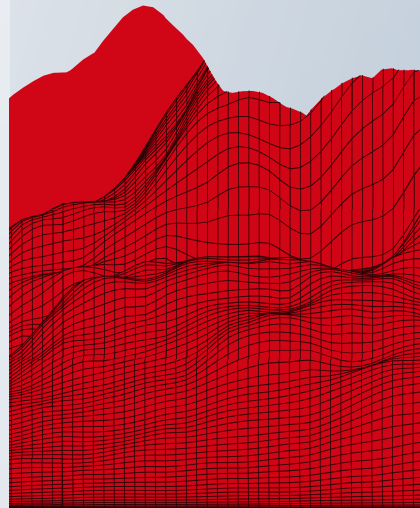
What this Talk will Cover

- Product Delivery and its Objectives

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- Motivating Factors

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- Motivating Factors

- Brief History Overview of Delivering Zabbix

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Product Delivery

What is Product Delivery?

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- The process of preparing and shipping a product to end-users

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  - ✓ It lends itself to reuse

  - ✓ It meets established criteria of quality

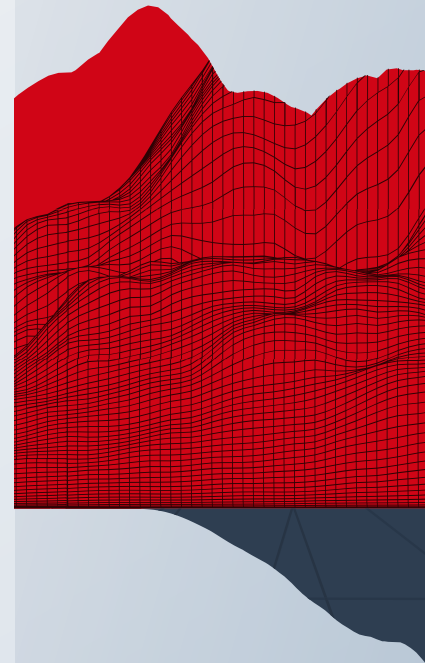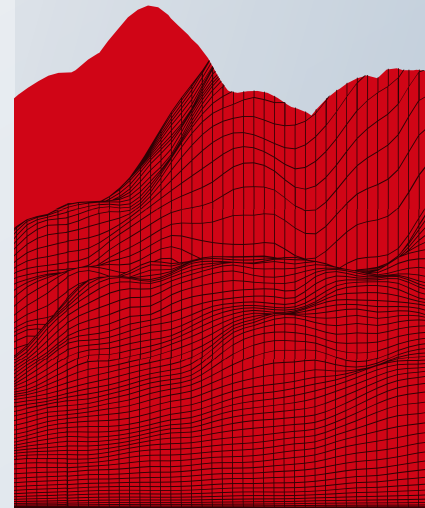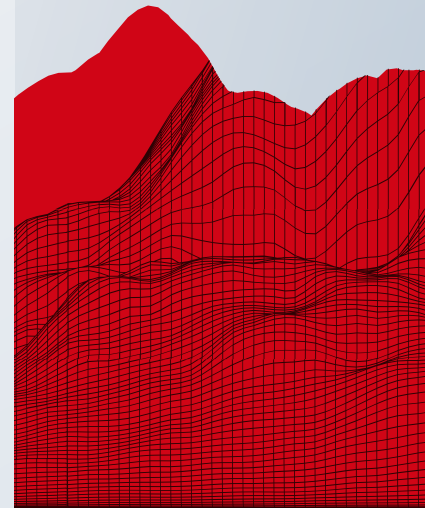# What is Product Delivery?

- The process of preparing and shipping a product to end-users, such that...

  - ✓ It is readily consumable

  - ✓ It lends itself to reuse

  - ✓ It meets established criteria of quality

  - ✓ It becomes available in a timely manner

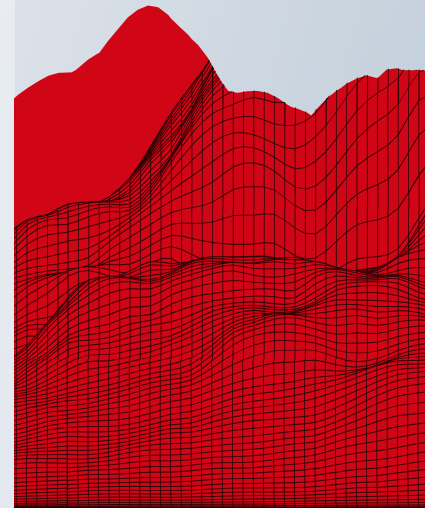# The Motivating Factors

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- Make Zabbix more easily accessible to end-users

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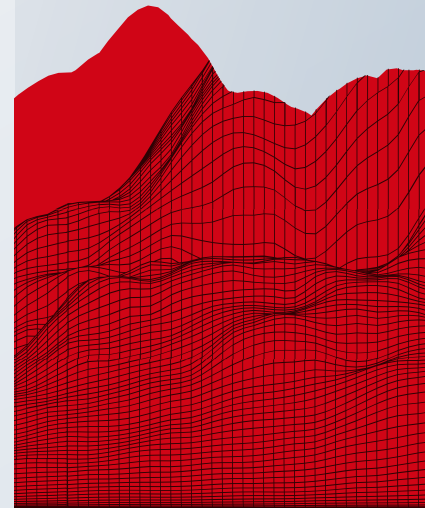 ✓ Not all users are comfortable with building software themselves

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The Motivating Factors

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- Make Zabbix more easily accessible to end-users

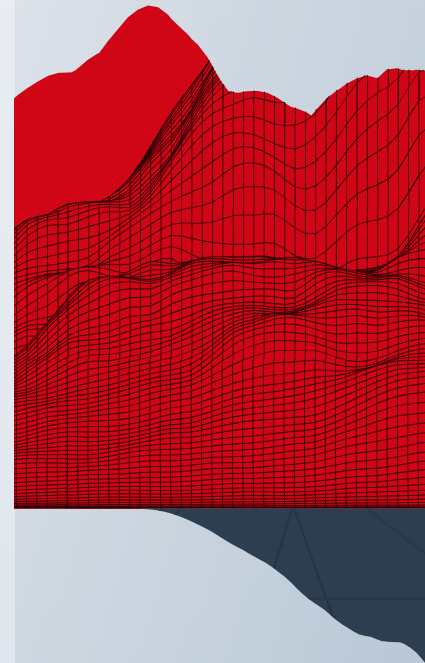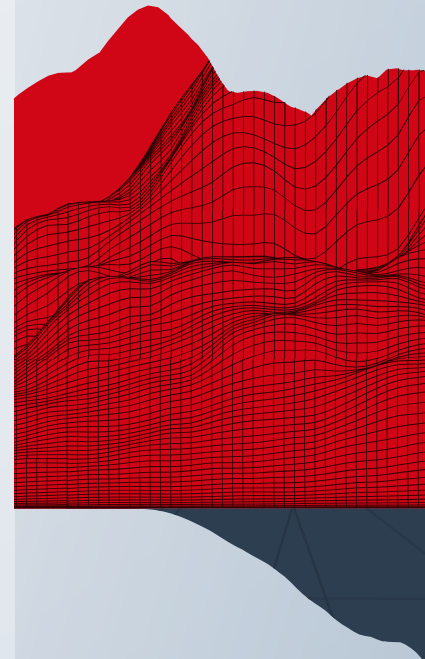 - ✓ Not all users are comfortable with building software themselves

  - ✓ Not all users are comfortable with creating reusable deployment artifacts

The Motivating Factors

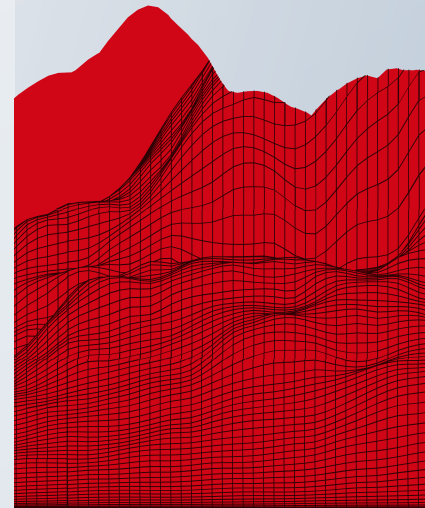- Establishing a Trusted Source of Assets

The Motivating Factors

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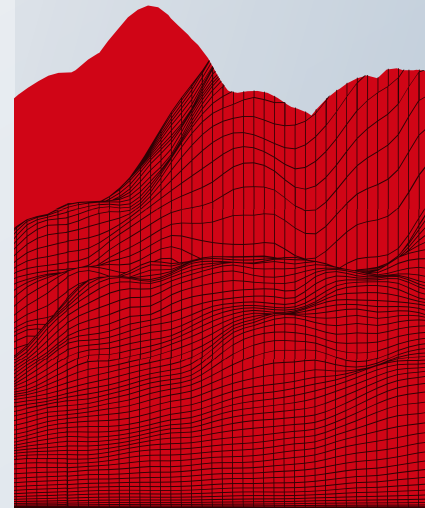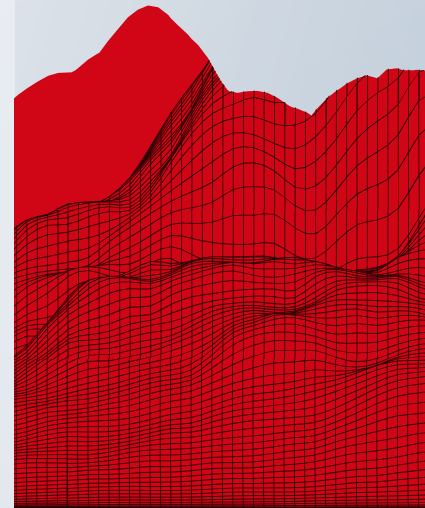 ✓ "Did xXk3v1nXx31337, who gave me this agent build, backdoor it?"

The Motivating Factors

- Establishing a Trusted Source of Assets

  ✓ "Did xXk3v1nXx31337, who gave me this agent build, backdoor it?"

  ✓ "Did Bob the Sysop enable all available features when building this server binary?"
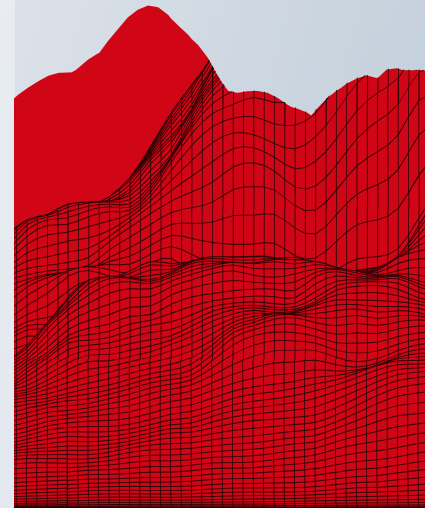
The Motivating Factors

- Ease the Process of Troubleshooting and Identifying Issues

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  ✓ It is that much harder and more time consuming to try and help a user experiencing a novel bug
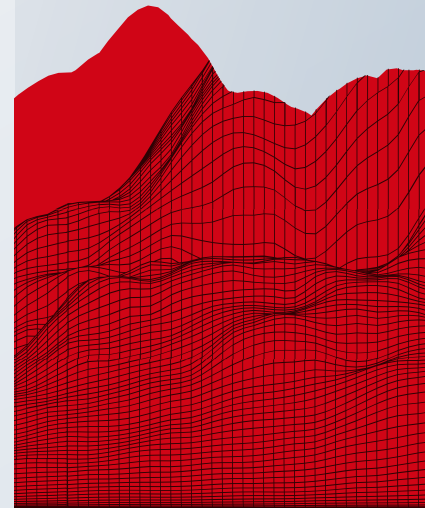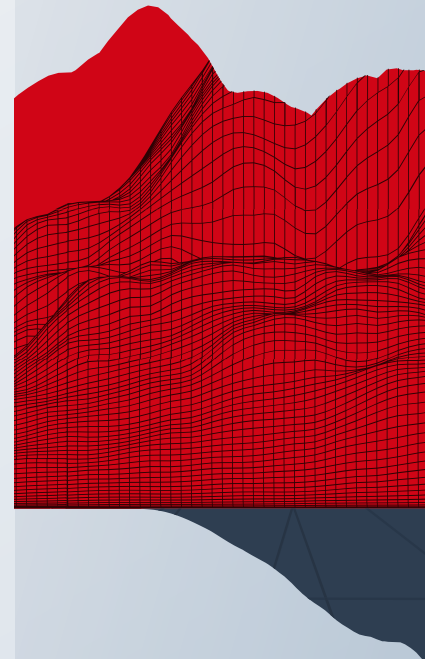
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The Motivating Factors

- Ease the Process of Troubleshooting and Identifying Issues

  - ✓ It is that much harder and more time consuming to try and help a user experiencing a novel bug

  - ✓ Reproducing custom builds is not always possible
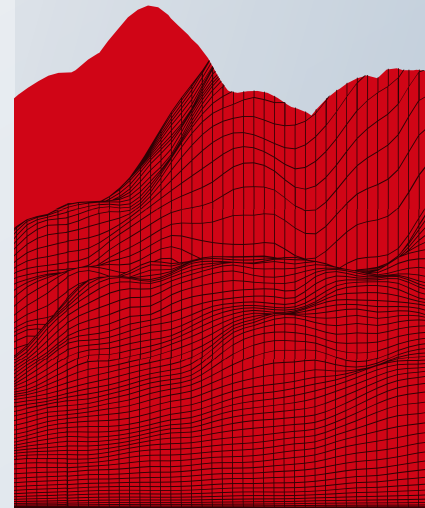
The Motivating Factors

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  ✓ Provide all features to all users, regardless of their choice of operating system and/or hardware platform

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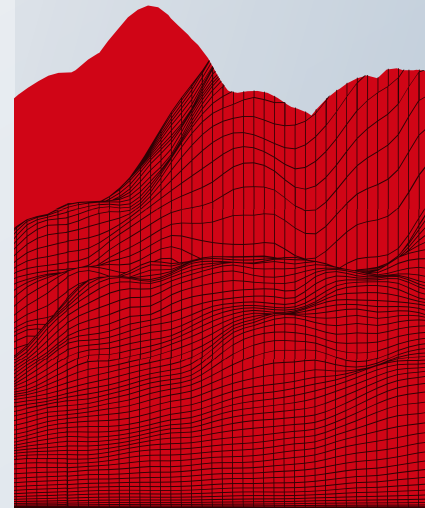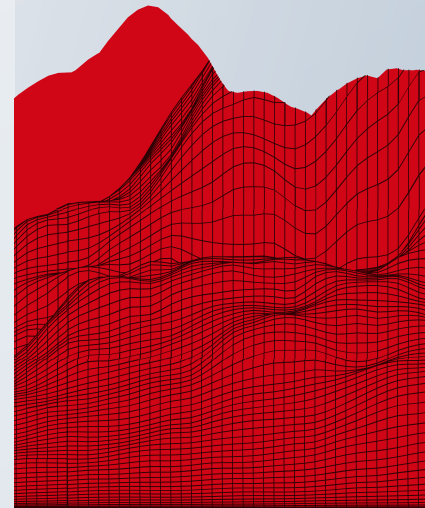
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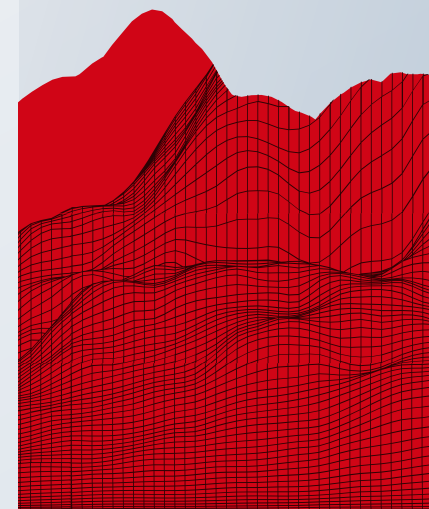 - The big exception being the Server on MS Windows systems

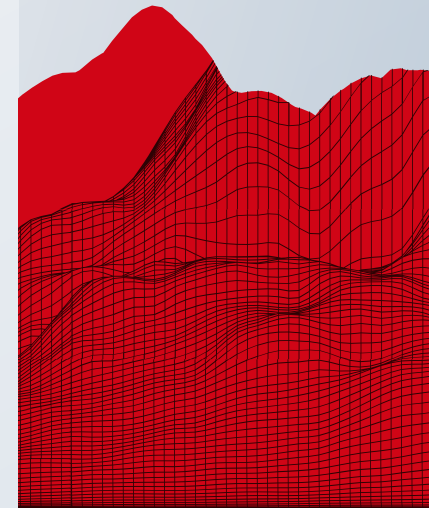# Brief History Overview

Brief History Overview

2007

The First
Package!

Brief History Overview

2007

The First Package!

2009

Zabbix starts hosting package repositories

Brief History Overview

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The First Package!

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2016
Container images appear

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Brief History Overview

2017

Change of
packaging
maintainer

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Brief History Overview

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2019

dimir gets
a helping hand

Brief History Overview

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Change of packaging maintainer

2019

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2022

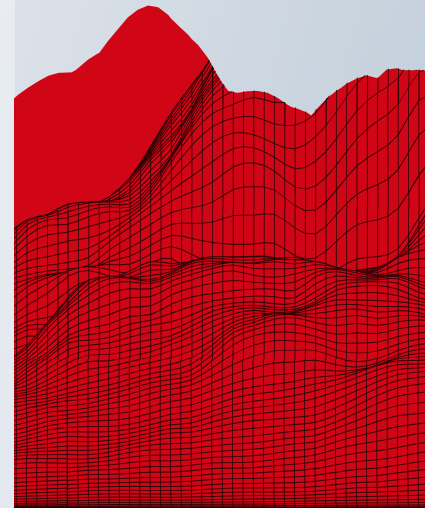I return in 2022 and attempt to mitigate the bus factor

Current State of Affairs

Current State of Affairs
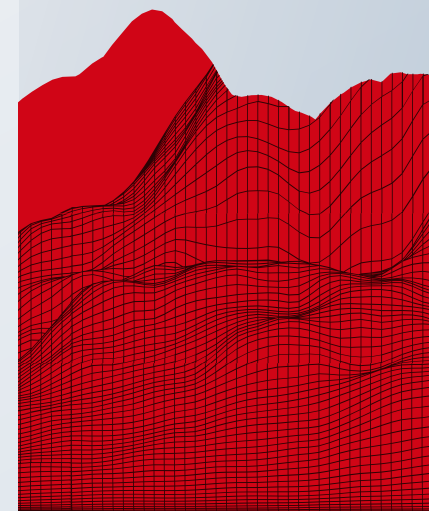
- Number of releases steadily increases YOY

Current State of Affairs

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- Build times have been shortened significantly

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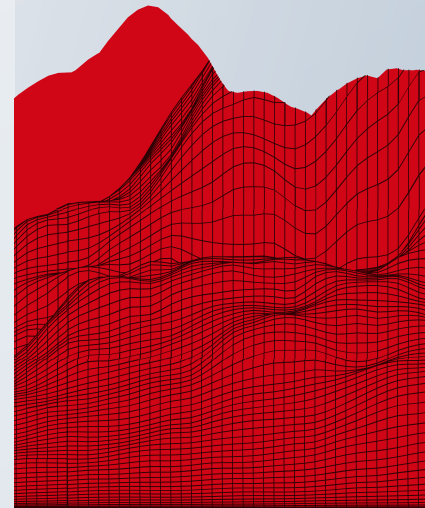- Commitment to target environment native builds
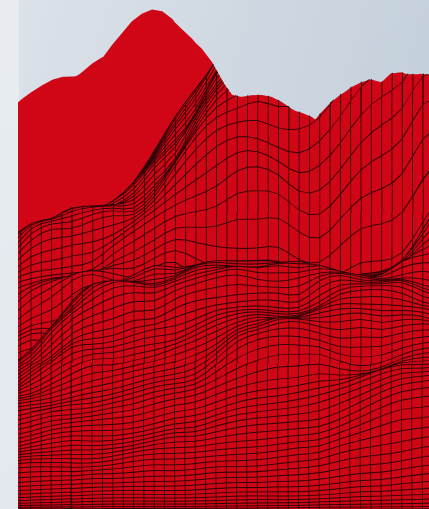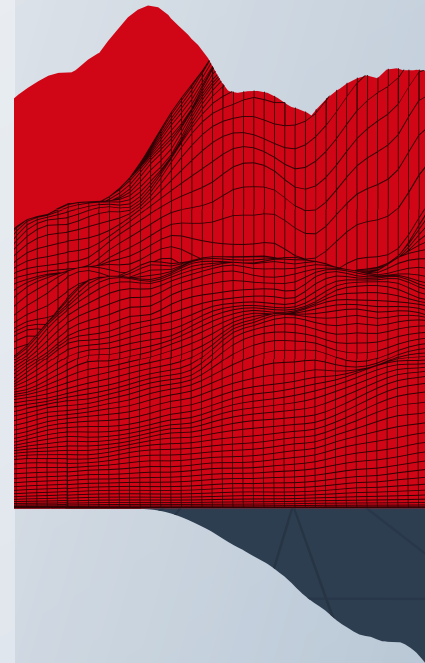
The Future

The Future

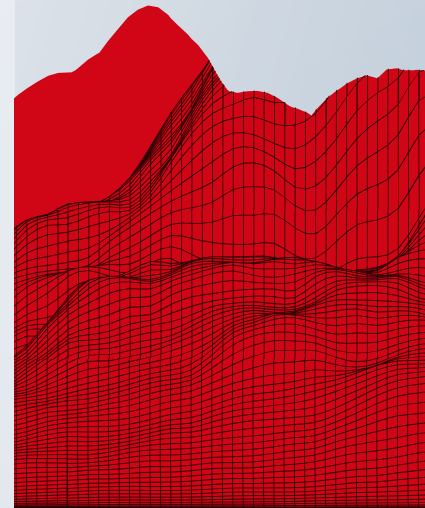- More Finely Grained Package Verification

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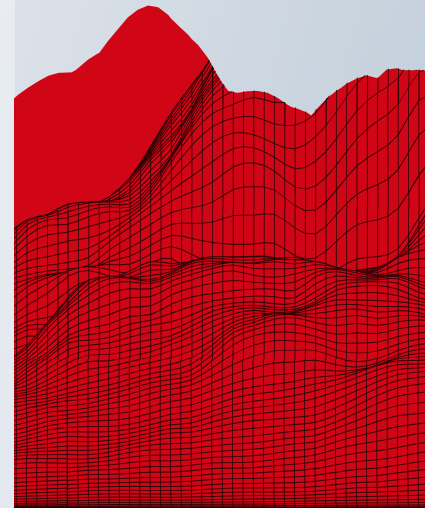
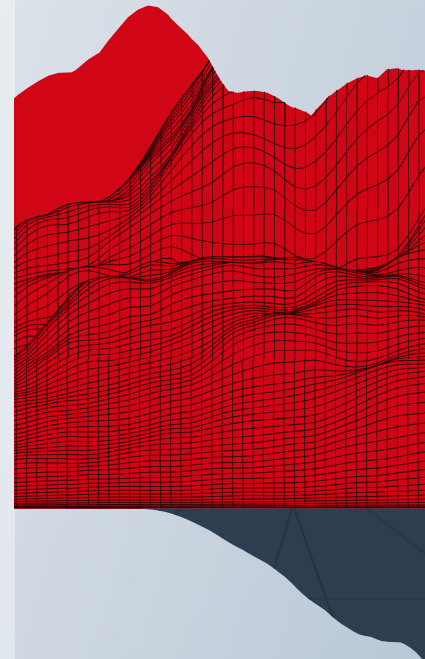- Tracking External Dependencies

Conclusions

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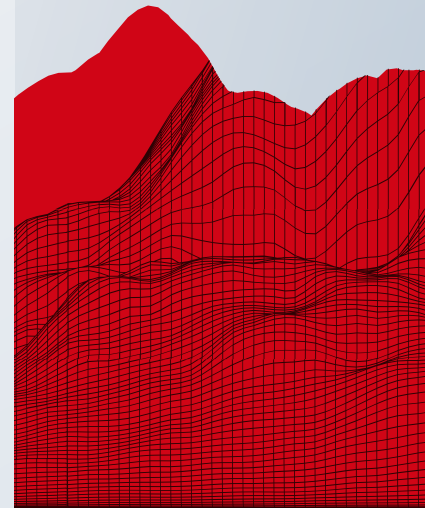- End-user convenience is the strongest driver

Conclusion

- End-user convenience is the strongest driver

- Product Delivery creates a feedback loop for Development

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Conclusion

- End-user convenience is the strongest driver

- Product Delivery creates a feedback loop for Development

- Builds end-user confidence in the product

Thank You!

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