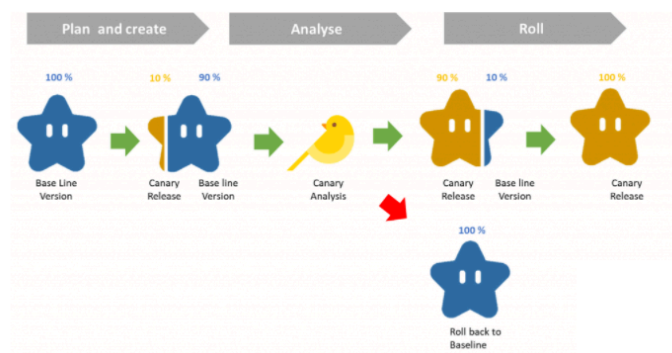✎ Edit article

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When and How Canary Deployment is useful?

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For example, a product that sells its products online cannot afford a single moment of application failure. That would mean a significant loss of revenue and a big increase in irate customers. At the same time, the company wants to continually update and enhance its software and services – providing a better customer experience. However, every change carries the rest of causing errors in production. How do you reduce the risk of error so you can update your application confidently? One approach is the canary deployment strategy.

 In a simple structure, the canary deployment has three stages.

- Plan

- Analyze

- Roll

Benefits of Canary Deployment

- Zero downtime

- Less costly with small infrastructure

- Flexibility for businesses to experiment with new features

Constraints of Canary Deployments

- Time Consuming

- local deployment is difficult to update

- Implementation is tricky like, managing databases and queuing systems, etc.

Conclusion

Many companies nowadays using canary deployments to lower the risk of downtime and test new features with actual users because

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