How does AIOps improve software deployment efficiency? Provide two examples.

AIOps (Artificial Intelligence for IT Operations) aids in the efficiency of software deployment by automating the more complex processes; which will result in less reliance on manual processes and better, speedier decision-making within the software development and release process. AIOps leverages real-time operations data by continuously analyzing massive amounts of operational data to provide an always-on way to identify potential issues, predict failures, and recommend suitable deployment pathways; to facilitate a proactive, rather than reactive response.

For example, AIOps could facilitate the detection of code anomalies that could lead to production failures in continuous development. A manual process would require people to review the code and responsible for any post-deployment errors, which could be avoided if AIOps could stop the deployment of risky code early. Alternatively, when deploying software, AIOps could also help you manage our infrastructure scaling during these release rollouts. If AIOps sees a potential traffic spike that it predicts in advance, it could automatically allocate the infrastructure to prepare for the spike - thereby reducing downtime and a better, smoother overall experience for users. AIOps enables a better, faster, and resilient software release by automating processes, streamlining deployment, reducing the amount of manual effort, and reducing human error.