



Exploration & Practice on Generative AI Governance

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Contents

1

A Life-Cycle Approach

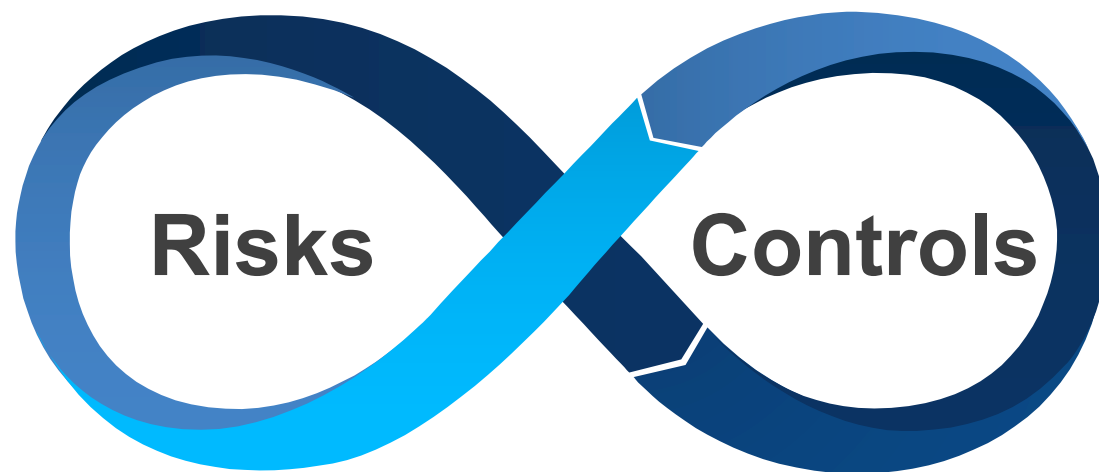
2

Risks of Generative AI

3

Controls

A Life-Cycle Approach



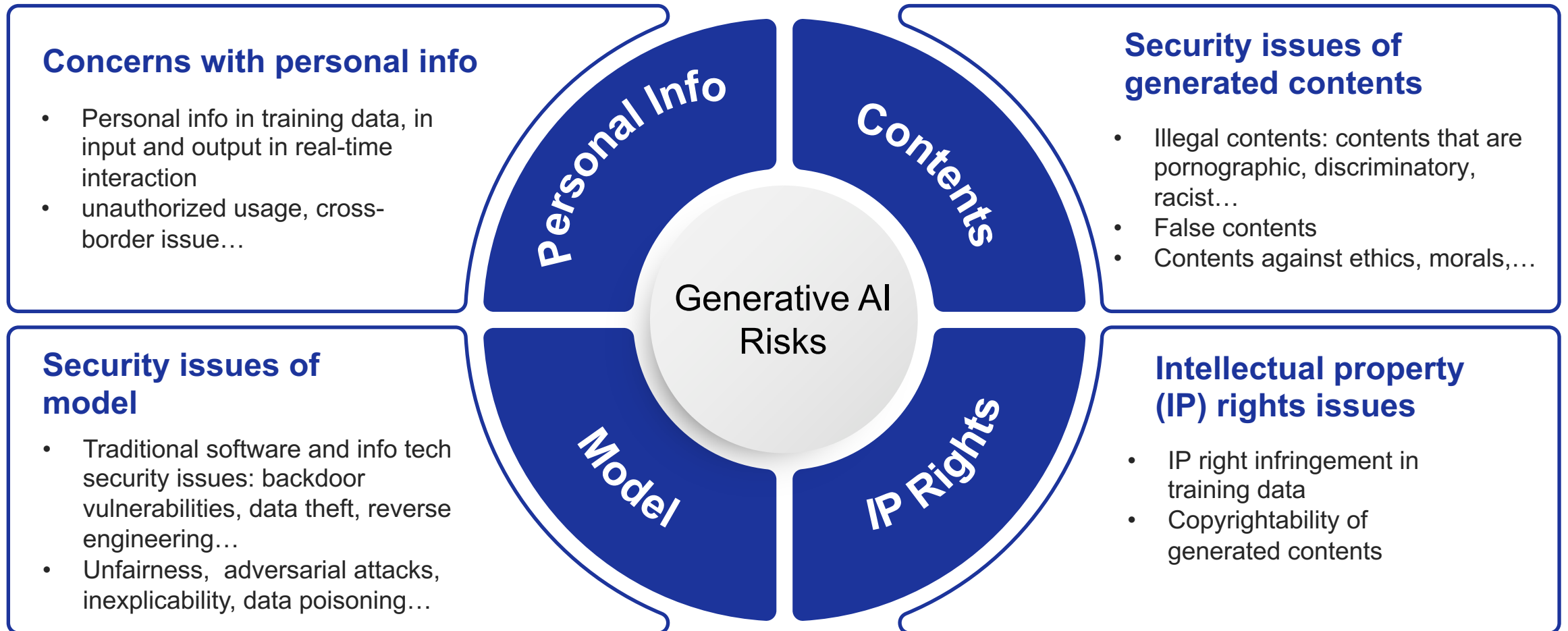
Model Training

Service Launch

**Content
Generation**

**Content
Dissemination**

Risk Types of Generative AI



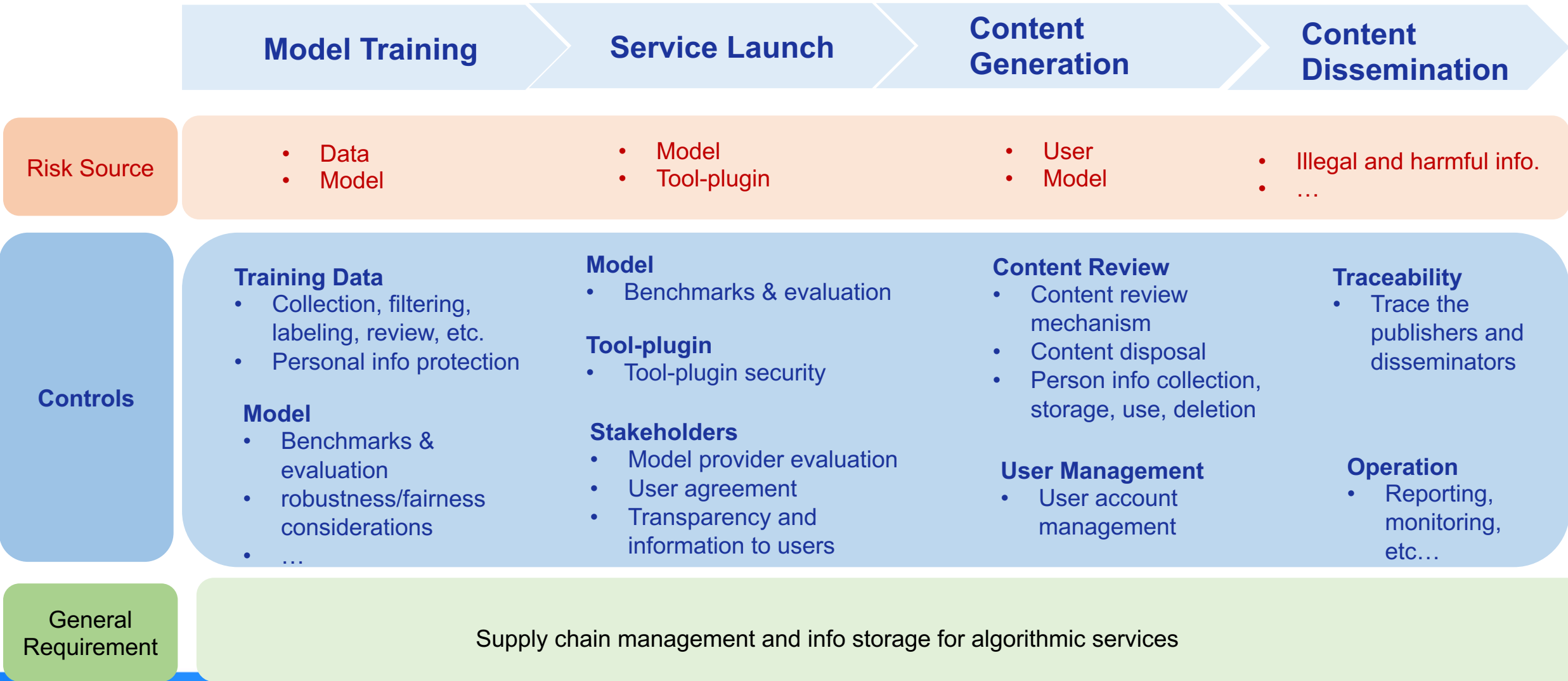
Sources of Risks of Large Language Model

	Unsupervised pre-training	Supervised fine-tuning	Reinforcement learning	Content Generation
Personal Info	Training data may have unauthorized personal info	Training data may have unauthorized person info	Inappropriate reward model may encourage to output personal info	Users may use inductive dialogues
Content Security	Training data may contain illegal and harmful contents	Training data may contain illegal and harmful contents	Inappropriate reward model may amplify the issue	Users may use inductive dialogues
Model Security	Training data may contain biases	Training data may contain biases	Inappropriate reward model may amplify the issue	Users may use inductive dialogues
IP Rights	Training data may contain unauthorized contents	Training data may contain unauthorized contents	Inappropriate reward model may amplify the issue	User may submit unauthorized contents resulting in unauthorized generated contents

Sources of Risks of Large Vision Model

	Unsupervised pre-training	Generative Model Training	Model Alignment	Content Generation
Personal Info	Training data may have unauthorized personal info	Training data may have unauthorized person info	Personal info issues may become more prominent due to personalization	The generated content may contain biometric features
Content Security	Training data may contain illegal and harmful contents	Training data may contain illegal and harmful contents	Content security issues may become more prominent due to personalization	The generated content may illegal and harmful contents
Model Security	Training data may contain biases	The training data may contain biases	Customized models are more likely to be used maliciously	The generated content may be adversarial
IP Rights	Training data may contain unauthorized contents	Training data may contain unauthorized contents	Personalization leads to increased IP right issues, e.g. personalization of specific artistic styles	The generated content may contain artistic style info, style transfer, etc. leading to IP rights issues

Controls





**Thank you very much for
your attentions !**