

# Design responsible AI solutions

Microsoft is committed to creating responsible AI by design, informed by six key principles that its Office of Responsible AI helps operationalize company-wide. See how you can apply these principles as part of your organization's AI strategy.

3cloudsolutions.com

sales@3cloudsolutions.com



888-88-AZURE



## Fairness

AI systems should treat people fairly so key checks and balances are in place to help mitigate fairness issues.



## Reliability & Safety

AI systems should perform reliably and safely. Rigorous monitoring, tracking and validation make this possible.



## Privacy & Security

AI systems should be secure and respect privacy. Azure implements a set of measures to protect data.



## Inclusiveness

AI systems should empower and engage everyone. Model development must address potential barriers.



## Transparency

AI systems should be understandable. This requires communication about systems' limitations and characteristics.



## Accountability

People involved in design and deployment are accountable for the AI system's actions and decisions.

Learn more about responsible AI and start applying it to your business

Get help developing your own AI strategy today!

## Ready to get started?

As you craft your strategy for implementing a user-facing AI system, you'll encounter three lifecycle stages, each of which comes with benchmarks that help you make an impact while protecting your business, customers and community.

### Lifecycle stages and questions to consider

#### Responsible assessment

Identify high-priority areas within your AI development and how you will track the process, review and secure approvals.

**Are the impacts of this tool fair?** What principles will you use to assess fairness and limit risks?

Use the *Impact Assessment Guide and template*

**Is this model accurate?** Are there dataset cohorts with unusual error rates?

Explore *error analysis*

**Are your algorithms robust, reliable and trustworthy?**

Use the open-source *Counterfit tool*

#### Responsible development

From data collection to supporting fairness in performance and representation, build your AI systems responsibly.

**How will you integrate best practices into UX?**

Visit the *Guidelines for Human-AI Interaction and design library*

**Are you developing an experience that is accessible to all customers?**

Get the *Microsoft Inclusive Design*

**How will you protect customer's private data?**

Explore *differential privacy*

#### Responsible deployment

As you deploy, it's critical to empower the right people and reinforce common practices to fortify responsible AI use, operationalization.

**How will you enable transparency and build trust?**

Learn more about *dataset documentation*

**Will my cloud computing platform protect sensitive data?**

Learn about *confidential computing*

Get help developing your own AI strategy today

Microsoft is committed to embedding safety and responsibility into the lifecycle of their AI systems, and to sharing their learnings and best practices with businesses. As a Microsoft partner, we're ready to apply our knowledge in helping you commercialize these solutions. Talk to us today and let us help you think through your AI questions.

Learn more about responsible AI and start applying it to your business