

AI, Automation and Open Web Workflows

Converting scattered knowledge into reusable workflows, diagrams, and publishable web material.

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Thank You

Questions and Discussion

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PartSlide: Section Breaker

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**AI: Prompting, agents
and Codex**

```
\PartSlide{1}{AI: Prompting, agents and Codex}
```

Use `\PartSlide` before a major part of the talk.

The first argument is the part number. The second argument is the part title.

Basic Frame Syntax

Rendered slide body

Write the visible slide material between `\begin{frame}` and `\end{frame}`.

Title appears above

Body appears here

```
\section{SECTION NAME}  
\begin{frame}{Slide Title}  
Write slide content here.  
\SmallNote{Optional small note.}  
\end{frame}
```

Start every normal slide with this simple frame pattern.

Premium Card Syntax

Key idea

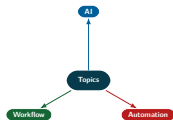
Use a card when you want one compact block of text, bullets, code, math, or a short visual.

- ▶ Keeps content grouped.
- ▶ Adds border and soft shadow.
- ▶ Works inside columns.

```
\begin{PremiumCard}  
{\bfseries Key idea}\par  
\vspace{0.14cm}  
\small  
Your explanation here.  
  
\begin{itemize}\scriptsize  
  \item First point.  
  \item Second point.  
\end{itemize}  
\end{PremiumCard}
```

Use `\PremiumCard` for ordinary text blocks and grouped slide material.

Split: Default Layout



Use this for most teaching slides.

Put the rendered visual on one side and short explanation on the other.

```
\begin{frame}{Topics We Will Discuss}
\Split{
  \MapCard{Topics}
    {AI, Automation, Workflow}
}{
  \begin{PremiumCard}
  \small
  Use this for most teaching slides.
  \end{PremiumCard}
}
\end{frame}
```

`\Split` makes two balanced columns.

Cols: Custom Widths

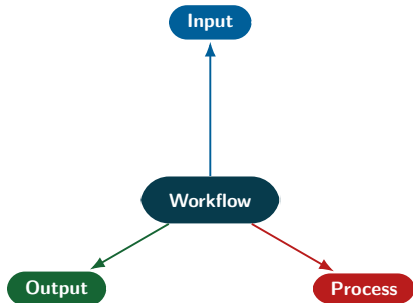


Use `\Cols` only when one side needs more room.
Here the text column is wider than the visual column.

```
\begin{frame}{Custom Width Example}
\Cols{0.34\textwidth}{
  \WheelCard[0.85\linewidth]{AI}
  {Prompt, Agent, Review}
}{0.60\textwidth}{
  \begin{PremiumCard}
  \small
  Use this when one side needs
  more room than the other.
  \end{PremiumCard}
}
\end{frame}
```

Prefer `\Split`; use `\Cols` only for uneven widths.

MapCard: When to Use It

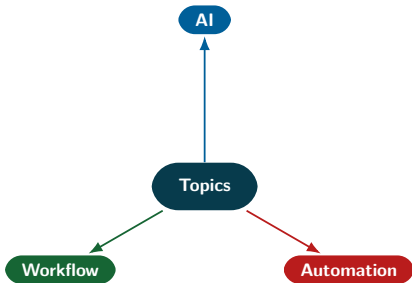


```
\begin{frame}{Workflow Map}
\Split{
  \MapCard{Workflow}
    {Input, Process, Output}
}{
  \begin{PremiumCard}
    \small
    Explanation beside the diagram.
  \end{PremiumCard}
}
\end{frame}
```

Use `\MapCard` when a map should sit inside a normal slide layout.

Use `\MapSlide` for map-only slides; use `\MapCard` inside layouts.

MapSlide: Full-Slide Map

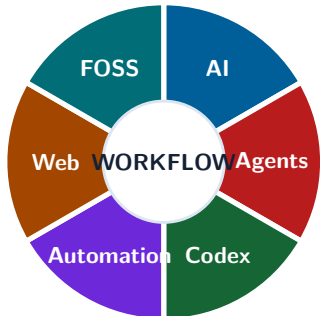


```
\begin{frame}{Topics We Will Discuss}  
\MapSlide{Topics}  
  {AI, Automation, Workflow}  
\end{frame}
```

Use `\MapSlide` when the slide should contain only one large map.

This keeps map-only slides short in `presentation.tex`.

WheelSlide: Full-Slide Wheel



```
\begin{frame}{Workflow Cycle}  
\WheelSlide{WORKFLOW}  
  {AI, Agents, Codex, Automation, Web, FOSS}  
\end{frame}
```

Use `\WheelSlide` when the slide should contain only one large wheel.

Use comma-separated labels.

Math Equations in Cards

Rendered Output

Small equation:

$$E = mc^2$$

Large equation:

$$F = G \frac{m_1 m_2}{r^2}$$

Huge equation:

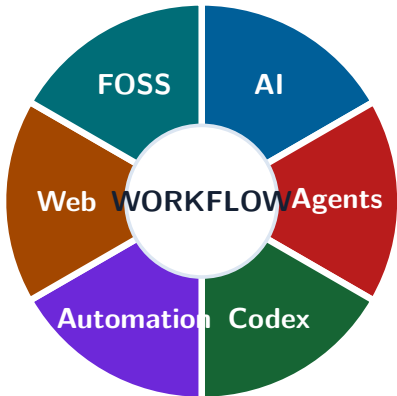
$$\nabla \cdot \vec{E} = \frac{\rho}{\epsilon_0}$$

```
\begin{PremiumCard}
Small equation:
\[
\scalebox{0.75}{$E = mc^2$}
\]

Large equation:
\[
\scalebox{1.25}{$F = G\frac{m_1 m_2}{r^2}$}
\]
\end{PremiumCard}
```

Use `\scalebox` when an equation needs resizing inside a card.

Wheel Diagram



The wheel automatically counts the labels.

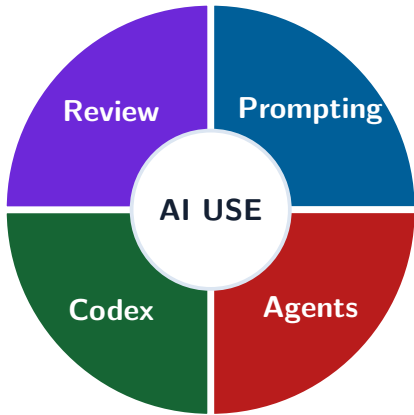
Syntax

```
\WheelCard{WORKFLOW}
```

```
{AI, Agents, Codex, Automation, Web, FOSS}
```

- ▶ Add one to six labels.
- ▶ Separate labels with commas.
- ▶ No empty braces or manual count needed.

Four-Part Wheel



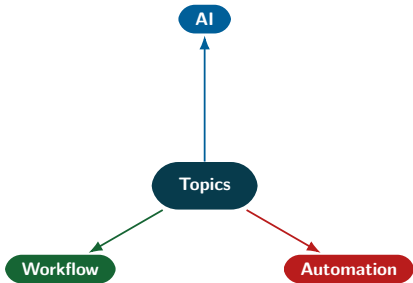
Four-part syntax

```
\WheelCard{AI USE}
```

```
{Prompting, Agents, Codex, Review}
```

- ▶ Good for a compact workflow.
- ▶ Good for comparison or decision cycles.
- ▶ Uses high-contrast colors from the preamble.

Category Map



Code

```
\MapCard{Topics}{AI, Automation,  
Workflow}
```

The preamble handles contrast colors, text color, spacing, arrows, and resizing.

Use comma-separated labels. The first argument is the center label.

Image Command



Operating-system awareness: visual material can be placed inside a thin premium frame with a caption.

Replace only the image path and caption.

Image syntax

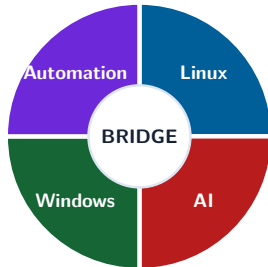
```
\ImageCard[0.95\linewidth]  
{img/open-source-choice.jpeg}  
  
{Caption text}
```

- Creates a thin border.
- Adds soft shadow and caption.
- Keeps raw images in img/.

Image + Wheel Combined



AI can translate Linux command thinking into
Windows automation workflows.



- ▶ Linux skill gives command-line thinking.
- ▶ AI adapts syntax and explains errors.
- ▶ Windows executes the workflow.