

# PowerWorld Simulator

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## Quick-Start Guide



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# Purpose

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- This quick-start guide is intended to provide a brief explanation of the essentials to analyzing power systems with PowerWorld Simulator
- It is not comprehensive
- Greater detail is available in our full-length training, on-line or in-person
- Other quick-start guides discuss specific advanced features of Simulator
- For more details, visit <http://www.powerworld.com/training/online-training>

# Outline

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- Opening a power flow case (raw, epc, pwb)
- Solving a case
- Browsing power system elements with the Model Explorer
- One-line diagrams
- Limit Monitoring Settings

# Opening an Existing Power Flow Case

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- PowerWorld Simulator can open files in the following text-based formats:
  - Siemens PTI PSS/E
    - \*.raw file extension
    - Common with FERC 715 filings and ISO cases
  - GE PSLF
    - \*.epc file extension
    - Common in the North American WECC
  - Other specific formats for real-time EMS models
- Simulator also has a proprietary binary format with \*.pwb extension