

C++ Essentials: Templates

# 3. Summary

---

Klaus Iglberger  
September, 13th, 2021

## Chapter 2: C++ Templates

---

- Use the power of templates to create isolation points
- Mind the differences between function template overloading and specialization
- Prefer function overloading to function template specialization
- Remember that specialized class templates are new types
- Don't forget non-type template parameters
- Remember the tricky details 😊

## Chapter 2: C++ Templates

---

**Core Guideline T.1:** Use templates to raise the level of abstraction of code

**Core Guideline T.5:** Combine generic and OO techniques to amplify their strengths, not their costs

**Core Guideline T.64:** Use specialization to provide alternative implementations of class templates

**Core Guideline T.144:** Don't specialize function templates

klaus.iglberger@gmx.de