3.6. Variables

There are only two kinds of languages: the ones people complain about and the ones nobody uses.

- Bjarne Stroustrup

We have touched already some simple syntax like dereferencing variable A by \${A} in message command: message("This is A: \${A}"). Cache variables was mentioned in CMake stages. Here is an overview of different types of variables with examples.

▲ CMake documentation

• Language: variables

Examples on GitHub

- Repository
- Latest ZIP
- 3.6.1. Regular variables
 - o 3.6.1.1. Regular vs cache
 - 3.6.1.2. Scope of variable
 - 3.6.1.3. New scope
 - 3.6.1.4. Same scope
 - 3.6.1.5. Parent scope
 - o 3.6.1.6. From cache
 - 3.6.1.7. Cache unset regular
 - 3.6.1.8. Confusing
 - o 3.6.1.9. Names
 - o 3.6.1.10. Quotes
 - 3.6.1.11. Dereferencing
 - 3.6.1.12. Nested dereferencing
 - 3.6.1.13. Types of variable
 - o 3.6.1.14. Create list
 - o 3.6.1.15. Operations with list
 - o 3.6.1.16. Recommendation
 - o 3.6.1.17. Summary
- 3.6.2. Cache variables

- 3.6.2.1. No scope
- o 3.6.2.2. Double set
- o 3.6.2.3. -D
- o 3.6.2.4. Initial cache
- o 3.6.2.5. Force
- o 3.6.2.6. Force as a workaround
- o 3.6.2.7. Cache type
- o 3.6.2.8. Enumerate
- o 3.6.2.9. Internal
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- o 3.6.2.11. Use case
- o 3.6.2.12. Option
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- 3.6.2.15. Summary
- 3.6.3. Environment variables
 - o 3.6.3.1. Read
 - o 3.6.3.2. Set
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 - o 3.6.3.4. Inheriting
 - 3.6.3.5. Configure step
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 - o 3.6.3.7. Summary