

A decorative graphic featuring three blue, 3D-rendered spheres of varying sizes. A thin blue diagonal line runs from the top-left corner towards the middle of the right edge. The spheres are positioned in the upper right and lower right areas of the page.

Xtext

Language development framework

Framework for development of Programming languages and Domain specific languages.

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- **Overview**
 - What is Xtext?
 - How does it work?
- **Xtext getting started**
 - Creating a DSL
 - Creating an Xtext Project
 - Project Layout
 - Build your own language
 - Generate language artifact's
 - Run the generated IDE plug-in
- **The grammar language**
 - The Syntax
 - Language declaration
 - EPackage declaration
 - Rules – Parser, Datatype and Enum rules
 - Grammar Mixins
 - Reusing existing grammars.
 - Common Terminals
- **Runtime concepts**
 - Validation
 - Automatic validation
 - Custom validation
 - Sample Implementation
 - Scoping
 - Global Scoping and IResource Descriptions (Index)
 - Local Scoping
 - Sample Implementation
 - Formatting
 - Declarative formatter
 - Sample Implementation
- **IDE concepts**
 - Content assist
 - Proposal provider
 - Sample Implementation
 - Quick fixes
 - Quick fixes for Linking Errors and Syntax Errors
 - Template proposals
 - Syntax highlighting
- **Quick teaser** – Xtend, XCore and XBase