

Vývoj Aplikácií s Viacvrstvovou Architektúrou

06. Lokalizácia (Logovanie)



Čo nás čaká a neminie...

1. časť

Úvod do Javy

Štruktúra platformy

Vývojové technológie

Kolekcie

Logovanie

Lokalizácia

2. časť

XML, IO

Regulárne výrazy

Modularita

JDBC

Bezpečnosť

Prehľad JEE a .NET

Čo nás čaká a neminie...

1. časť

Architektúra

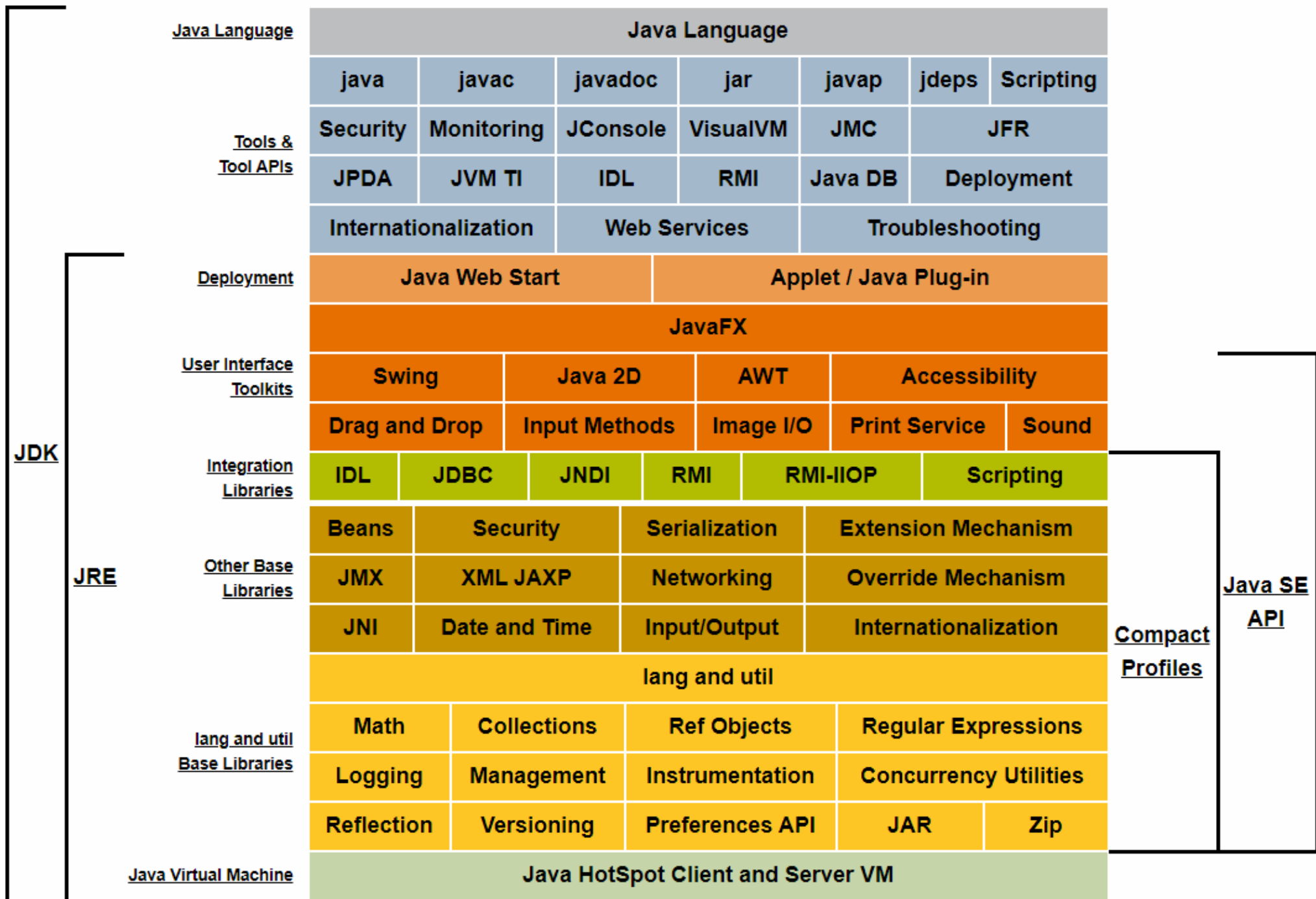
2. časť

Java

Best practices | **Faily** | Fuckupy

Načo je dobrá lokalizácia v developmente?





Install

Install

Install

Install

Install

Install

Install

Install



Install

↓ 5,6K ☆ 4.46 Hernan Alarcon

User Interface 0.5.2 jún 11, 2021

[Plugin homepage](#) ↗

Folds and unfolds logger method calls in Java and Kotlin files. Supports JUL, slf4j, Apache Commons Logging, log4j, Android Util Log, Timber and kotlin-logging out of the box. The names of the classes of other logging frameworks can be configured using the IDE settings (Tools > Logger folding).

Provides two new actions under the Code > Folding menu:

- Fold logger method calls (Alt Gr + L)
- Unfold logger method calls (Shift + Alt Gr + L)

Collapse by default of logger method calls can be enabled using File > Settings > Editor > General > Code Folding and checking the Logger method calls checkbox.

► Change Notes

Size: 41,9 KB



Write and edit source code

- Editor basics
 - Multiple cursors and selection ranges
 - LightEdit mode
- ▶ Code style and formatting
- ▶ Source code navigation
- ▶ Find and replace
- Auto import
- Code completion
- ▶ Generate code
- ▶ Code refactoring
- Javadocs
- Code reference information
- ▶ Code inspections
- Intention actions
- ▶ File templates
- ▼ Live templates
 - Create live templates
 - Live template variables
 - Share live templates
 - Emmet
- Compare files

[Write and edit source code](#) / Live templates

Live templates

Last modified: 19 March 2022

Expand a live template: `Tab`Configure: `Ctrl+Alt+S` [Settings/Preferences | Editor | Live Templates](#)

Use *live templates* to insert common constructs into your code, such as loops, conditions, various declarations, or print statements.

[Live templates](#)[Types of live templates](#)[Configure live templates](#)

Settings

Editor

General

Code Editing

Font

Color Scheme

Code Style

Inspections

File and Code Templates

File Encodings

Live Templates

File Types

Android Design Tools

Copyright

Inlay Hints

Duplicates

Emmet

GUI Designer

Intentions

Language Injections

Editor > Live Templates

Reset

←

→

By default expand with Tab

AngularJS

Groovy

GSP

HTML/XML

HTTP Request

Java

<abbreviation>

C (Surround with Callable)

fori (Create iteration loop)

geti (Inserts singleton method getInstance)

I (Iterate Iterable or array)

ifn (Inserts 'if null' statement)

inn (Inserts 'if not null' statement)

inst (Checks object type with instanceof and down-casts it)

itar (Iterate elements of array)

+

−

📄

↶

Abbreviation: <abbreviation>

Description:

Template text:

Edit variables

Settings

Editor > Live Templates

By default expand with Tab

Appearance & Behavior

Keymap

Editor

General

Code Editing

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Color Scheme

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Inspections

File and Code Templates

File Encodings

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File Types

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Duplicates

Emmet

GUI Designer

Intentions

Language Injections

Live Edit of Compose Literals

Natural Languages

Reader Mode

☒ ittok (Iterate tokens from String)

☒ lazy (Performs lazy initialization)

☒ log (Moj logger)

☒ lst (Fetches last element of an array)

☒ main (main() method declaration)

☒ mn (Sets lesser value to a variable)

☒ mx (Sets greater value to a variable)

☒ prsf (private static final)

☒ psf (public static final)

☒ psfi (public static final int)

☒ psfs (public static final String)

Edit Template Variables

Name	Expression	Default value	Skip if defi...
CLASS_NAME	className()		<input checked="" type="checkbox"/>

OK Cancel

Edit variables

Options

Expand with Default (Tab)

☐ Reformat according to style

☒ Shorten FQ names

OK Cancel Apply

9

Šablóny/snippets pre Loggery

- **logger**

- `private static final Logger log =
LoggerFactory.getLogger(${NAME}.class);`

- **log4j**

- `private static final org.apache.log4j.Logger log =
org.apache.log4j.Logger.getLogger($CLASS_NAME$.class);`

- **slf4j**

- `private static final org.slf4j.Logger log =
org.slf4j.LoggerFactory.getLogger($CLASSNAME$.class);`

@Log (and friends)

Captain's Log, stardate 24435.7: "What was that line again?"

The various `@Log` variants were added in lombok v0.10. *NEW in lombok 0.10:* You can annotate any class with a log annotation to let lombok generate a logger field.

The logger is named `log` and the field's type depends on which logger you have selected.

NEW in lombok v1.16.24: Addition of google's FluentLogger (via `@Flogger`).

NEW in lombok v1.18.10: Addition of `@CustomLog` which lets you add any logger by configuring how to create them with a config key.

Overview

You put the variant of `@Log` on your class (whichever one applies to the logging system you use); you then have a static final `log` field, initialized as is the commonly prescribed way for the logging framework you use, which you can then use to write log statements.

There are several choices available:

`@CommonsLog`

Creates

```
private static final org.apache.commons.logging.Log log = org.apache.commons.logging.LogFactory.getLog(LogExample.class);
```

`@Flogger`

Creates

```
private static final com.google.common.flogger.FluentLogger log = com.google.common.flogger.FluentLogger.forEnclosingClass();
```

`@JBossLog`

Creates

```
private static final org.jboss.logging.Logger log = org.jboss.logging.Logger.getLogger(LogExample.class);
```

`@Log`

Creates

```
private static final java.util.logging.Logger log = java.util.logging.Logger.getLogger(LogExample.class.getName());
```

`@Log4j`

Creates `private static final org.apache.log4j.Logger log = org.apache.log4j.Logger.getLogger(LogExample.class);`

`@Log4j2`

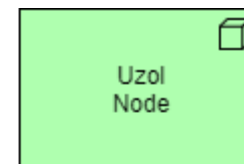
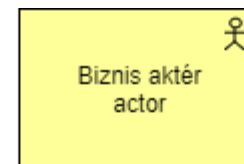
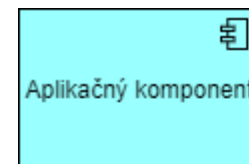
Creates

```
private static final org.apache.logging.log4j.Logger log = org.apache.logging.log4j.LogManager.getLogger(LogExample.class);
```

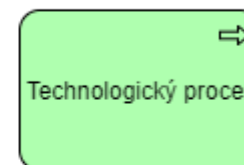
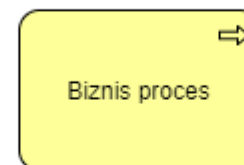
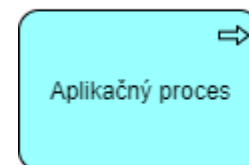
`@Slf4j`

Rozlíšenie elementov podľa rohov

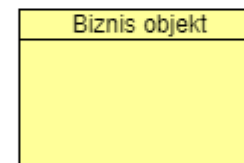
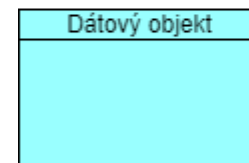
1. Ostré rohy – aktívne elementy



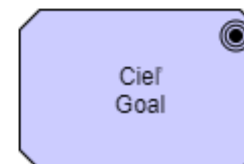
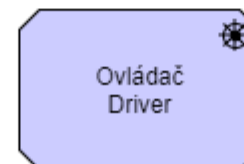
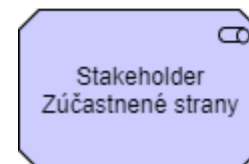
2. Zaoblené rohy – element chovania (behavior)

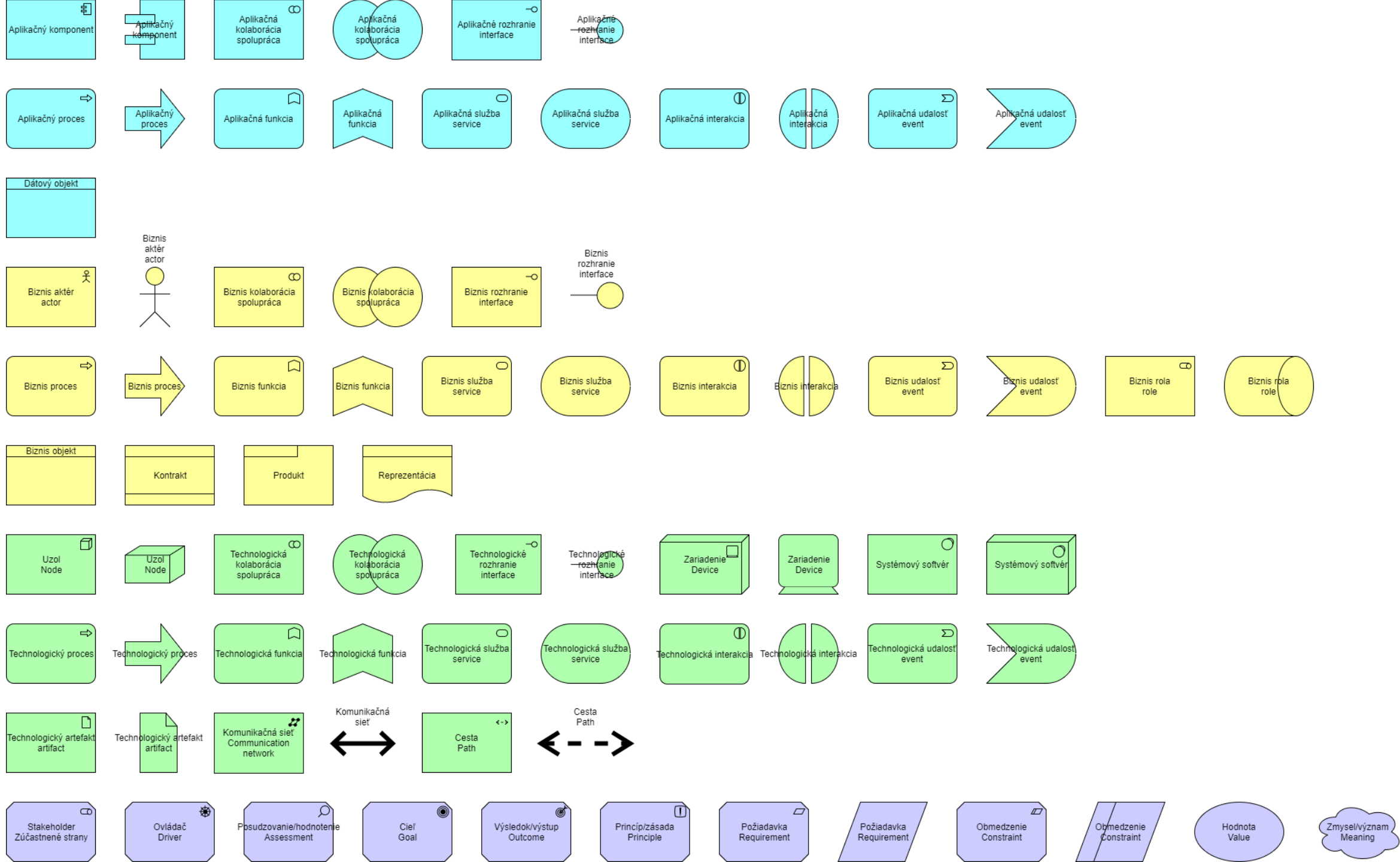


3. Ostrý roh s preškrtnutím – pasívne elementy



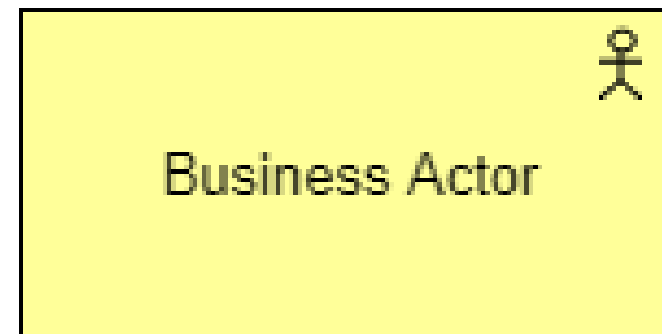
4. Skosené rohy – motivačný element





Základné prvky ArchiMate

1. Elementy (Elements)
2. Kompozičné elementy (Composite Elements)
3. Vázby (Relationships)
4. Atribúty (Attribute)
5. Koncept (Concept)



⤵-----Realization-----

⤵-----Assignment-----●

◇-----Aggregation-----

●-----Composition-----

⤵-----Influence-----
+/-

⤵-----Access-----

⤵-----Serving-----

Základné prvky ArchiMate

- 6. Vrstva (Layer)
- 7. Aspekt (Aspect)
- 8. Model
- 9. Core Elementy
- 10. Viewpoint

← - - - - - Flow - - - - -

← - - - - - Triggering - - - - -

◁ - - - - - Specilization - - - - -

- - - - - Association - - - - -

Communication Network
↔

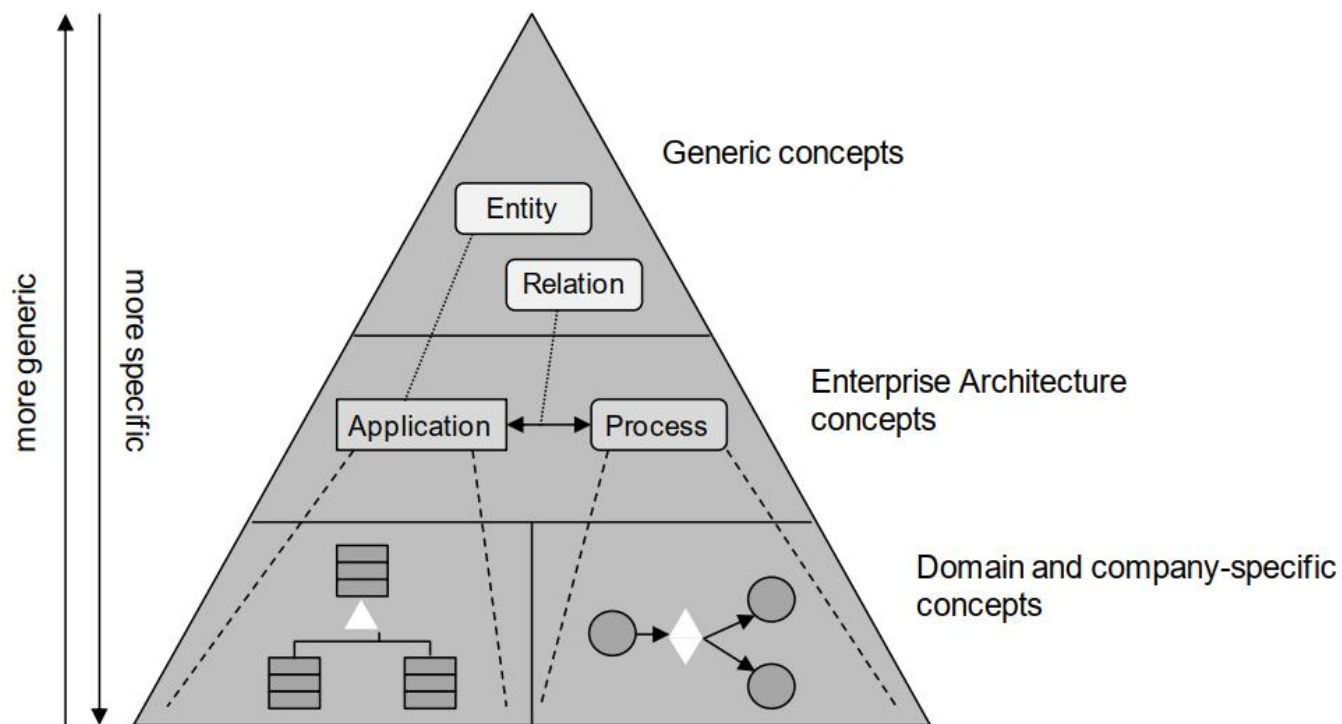
Path
↔ - - - - - ↔



Junction - AND

Junction - OR

Metamodely na rôznych úrovniach špecifickosti



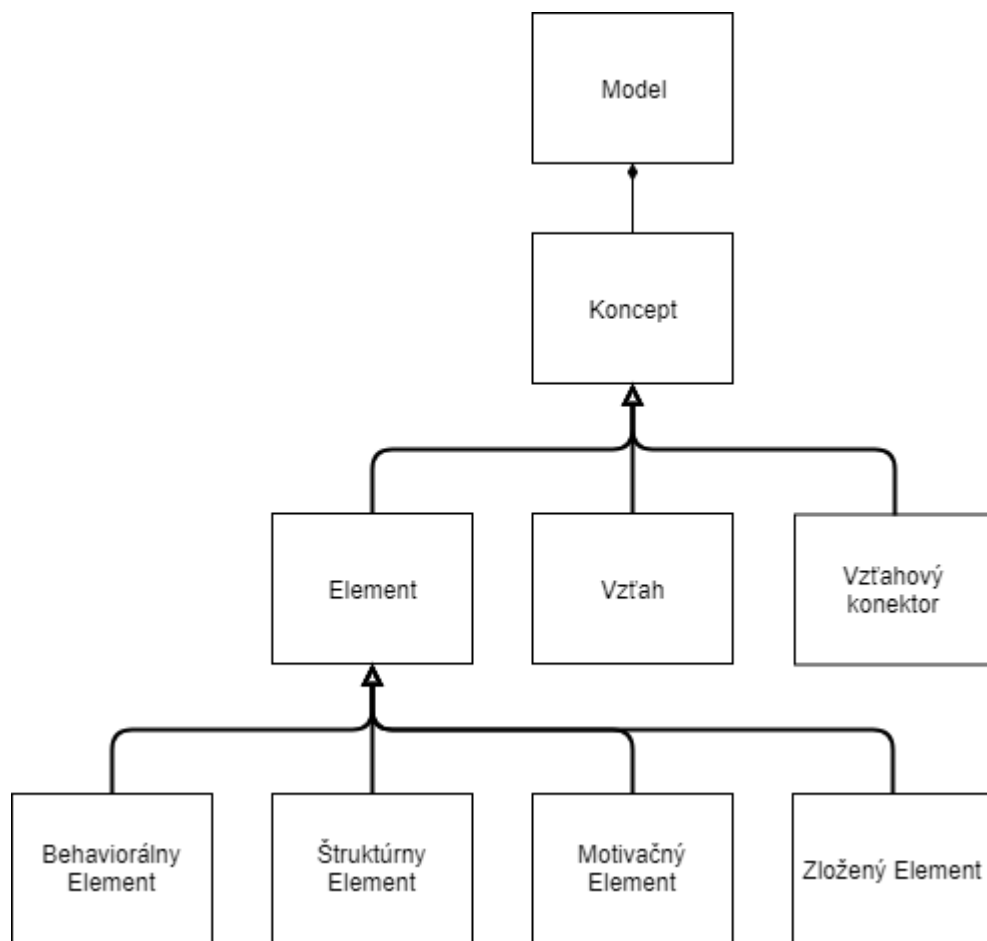
- Čo je to metamodel?

Model, ktorý **štruktúrovaným spôsobom opisuje, ako a s akou architektúrou bude opísaný.**

A model that describes in a structured way how and with what the architecture will be described.

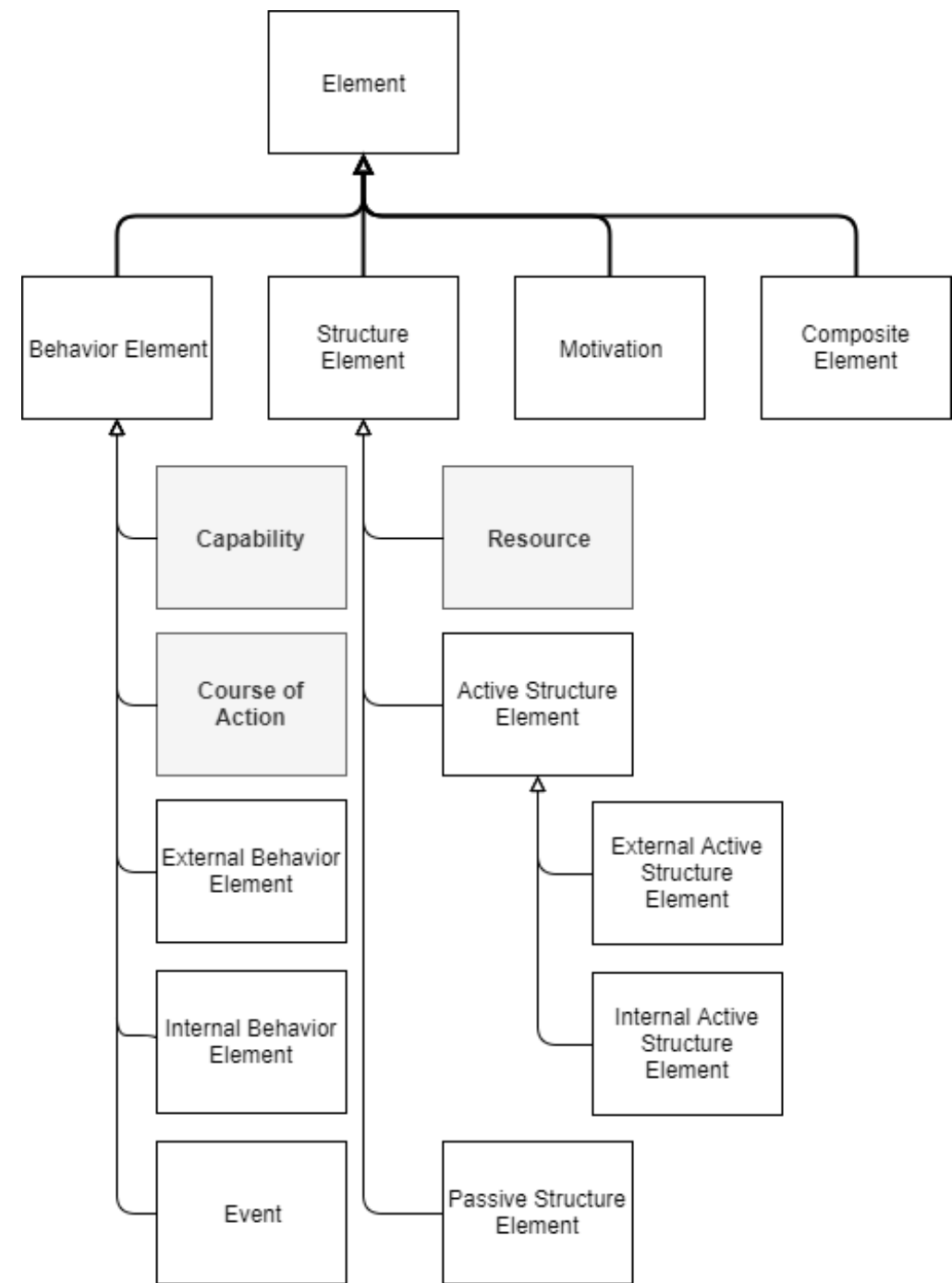
[Prebrané z: TOGAF 9.1 Časť 1, Kapitola 3 (Definície).]

Top Level jazyková štruktúra

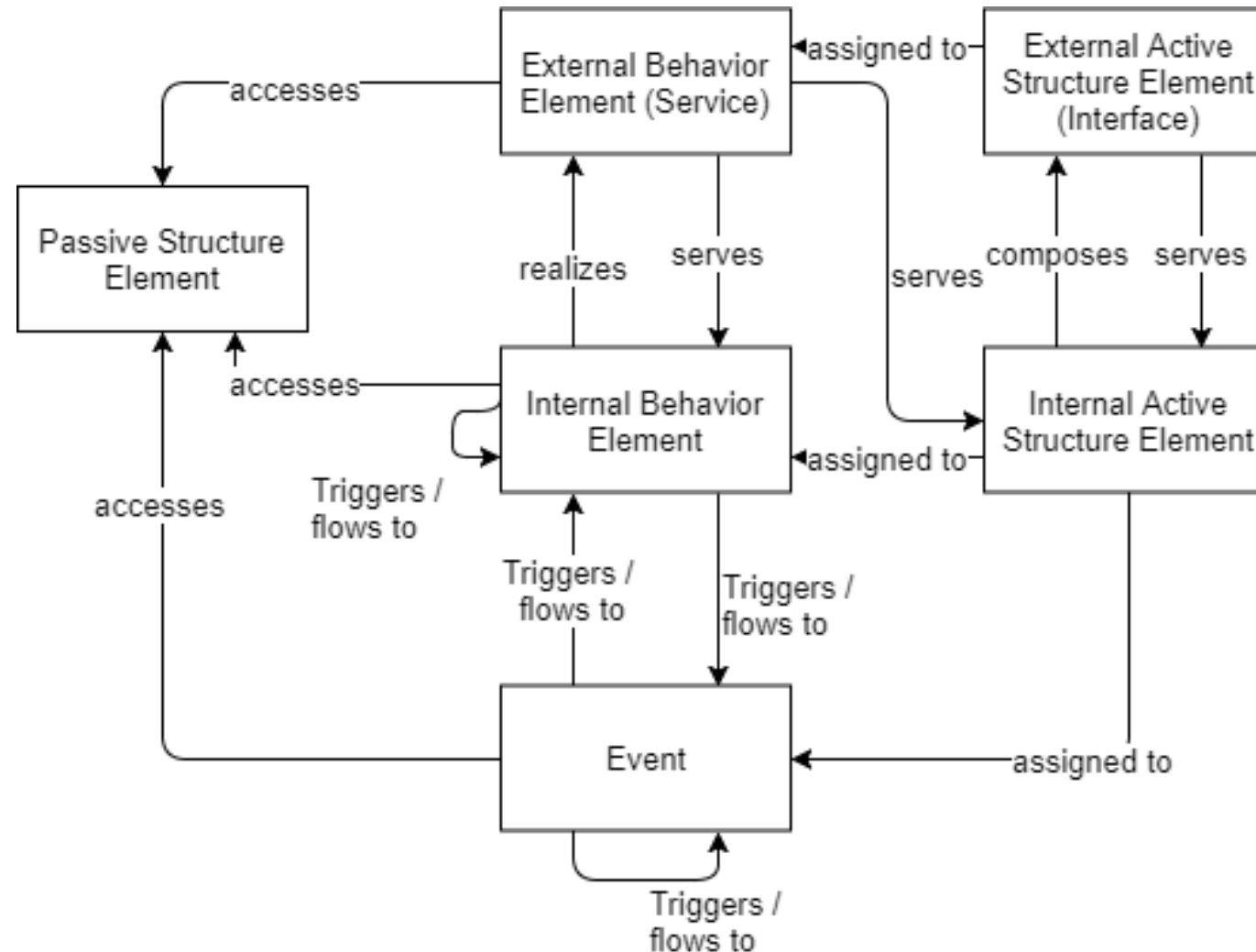


- Model je súborom konceptov. koncepcia je buď element alebo a vzťah
- Prvkom je buď správanie prvok, konštrukčný prvok, a motivačný prvok, alebo kompozitný element

ArchiMate Metamodel 1



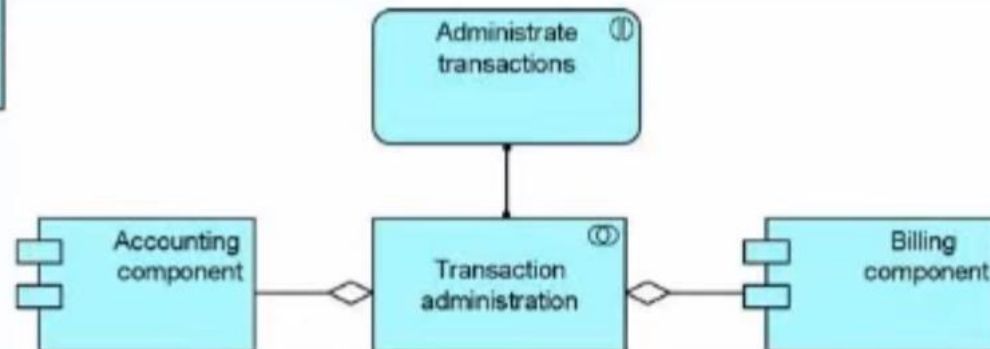
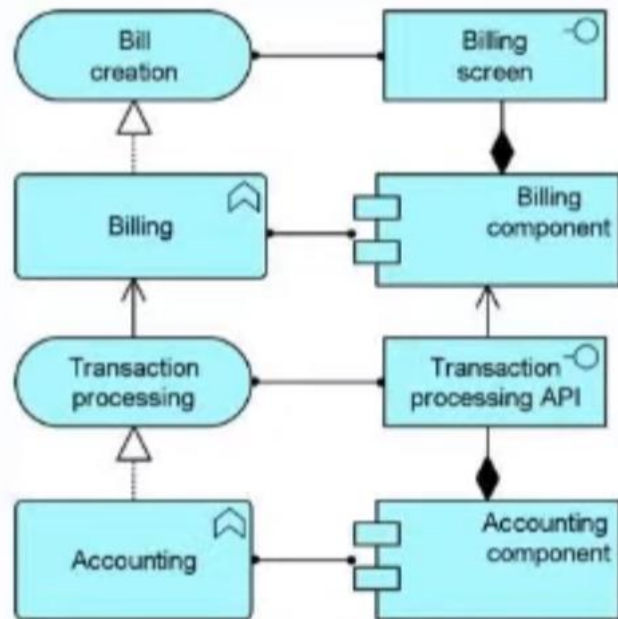
ArchiMate Metamodel 2



Typické abstrakcie v jazyku ArchiMate

- **Externé (čierna skrinka)** - Čo musí systém urobiť v prostredí
- **Interný (biela skrinka)** - Ako to robí
- **Správanie** - Funkcie/Procesy
- **Aktívna štruktúra** - Aktéri/Aplikačné komponenty/Infraštruktúra
- **Koncepčná** - predstavuje informáciu, ktorú podnik považuje za relevantnú
- **Logická** manipulácia prostredníctvom informačných systémov. (komponent/funkcia aplikácie)
- **Fyzická** - obchodné objekty/dátové objekty/artefakty

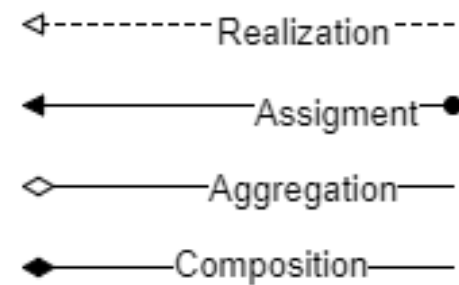
Príklad finančné/transakčné systémy



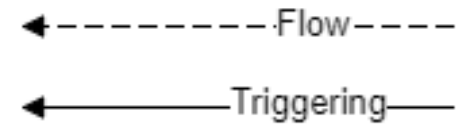
Prehľad väzieb (Relationship)

- Väzby sa delia 4 skupiny
- Väzby v jednotlivých kategóriách sú zoradené od najslabšej po najsilnejšiu

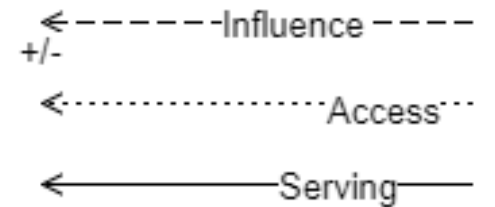
Štrukturálne (Structural)



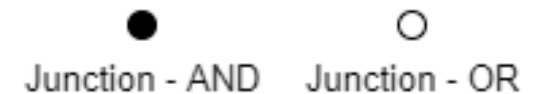
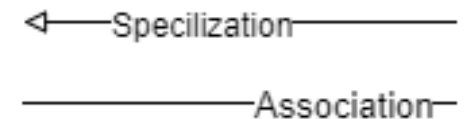
Dynamické (Dynamické)



Definujúce závislosti (Dependency)



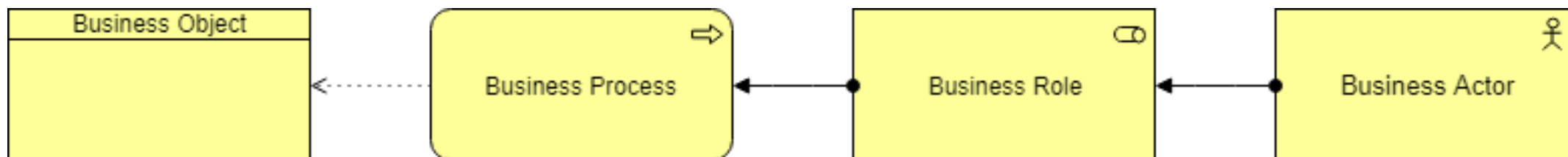
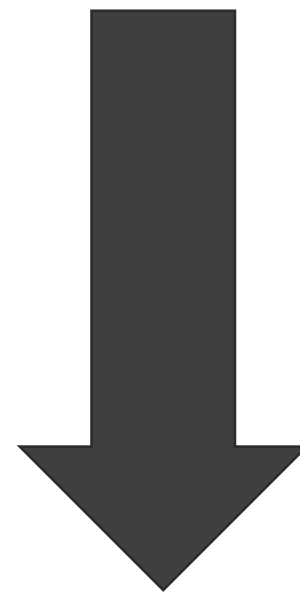
Iné (Others)



Prehľad väzieb (Relationship)

Väzby môžu byť zoradené podľa svojej sily (od najslabšej po najsilnejšiu)

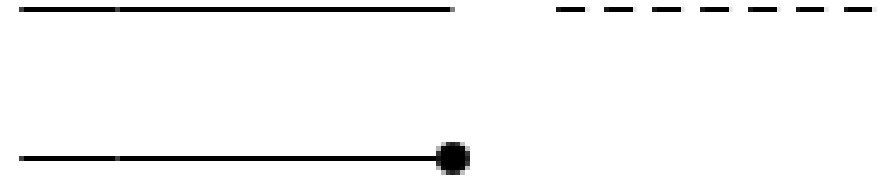
1. **Influence** – najslabšia
2. **Access**
3. **Serving**
4. **Realization**
5. **Assignment**
6. **Aggregation**
7. **Composition** – najsilnejšia



Rozpoznávacie znaky väzieb

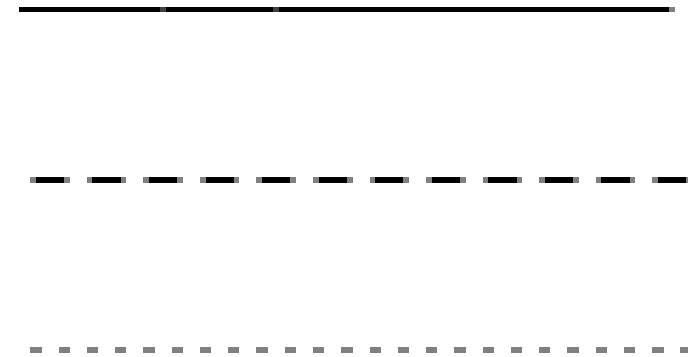
- **Počiatok väzby**

- Jednoduchá čiara podľa typu väzby
- Vyplnený kruh resp. guľička



- **Telo väzby**

- Plná čiara
- Prerušovaná
- Drobnou Prerušovaná



Rozpoznávacie znaky väzieb

• Šípka

1. Diamant vyplnený
2. Diamant prázdny
3. Šípka uzavretá, plná čiara šípky, nevyplnené vnútro
4. Šípka uzavretá, plná čiara šípky, vyplnené vnútro
5. Šípka otvorená, plná čiara šípky
6. Šípka otvorená, prerušovaná čiara šípky

◆————Composition————





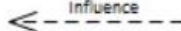
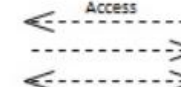

◊————Aggregation————

◄-----Realization-----




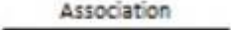


◄————Assignment————◆

◄-----Flow-----

Definície väzieb 1

Vazba	Definice	Typ
	The realization relationship indicates that an entity plays a critical role in the creation, achievement, sustenance, or operation of a more abstract entity.	Structural
	The assignment relationship expresses the allocation of responsibility, performance of behavior, or execution.	Structural
	The aggregation relationship indicates that an element groups a number of other elements.	Structural
	The composition relationship indicates that an element consists of one or more other elements.	Structural
	The influence relationship models that an element affects the implementation or achievement of some motivation element.	Dependency
	The access relationship models the ability of behavior and active structure elements to observe or act upon passive structure elements.	Dependency
	The serving relationship models that an element provides its functionality to another element.	Dependency

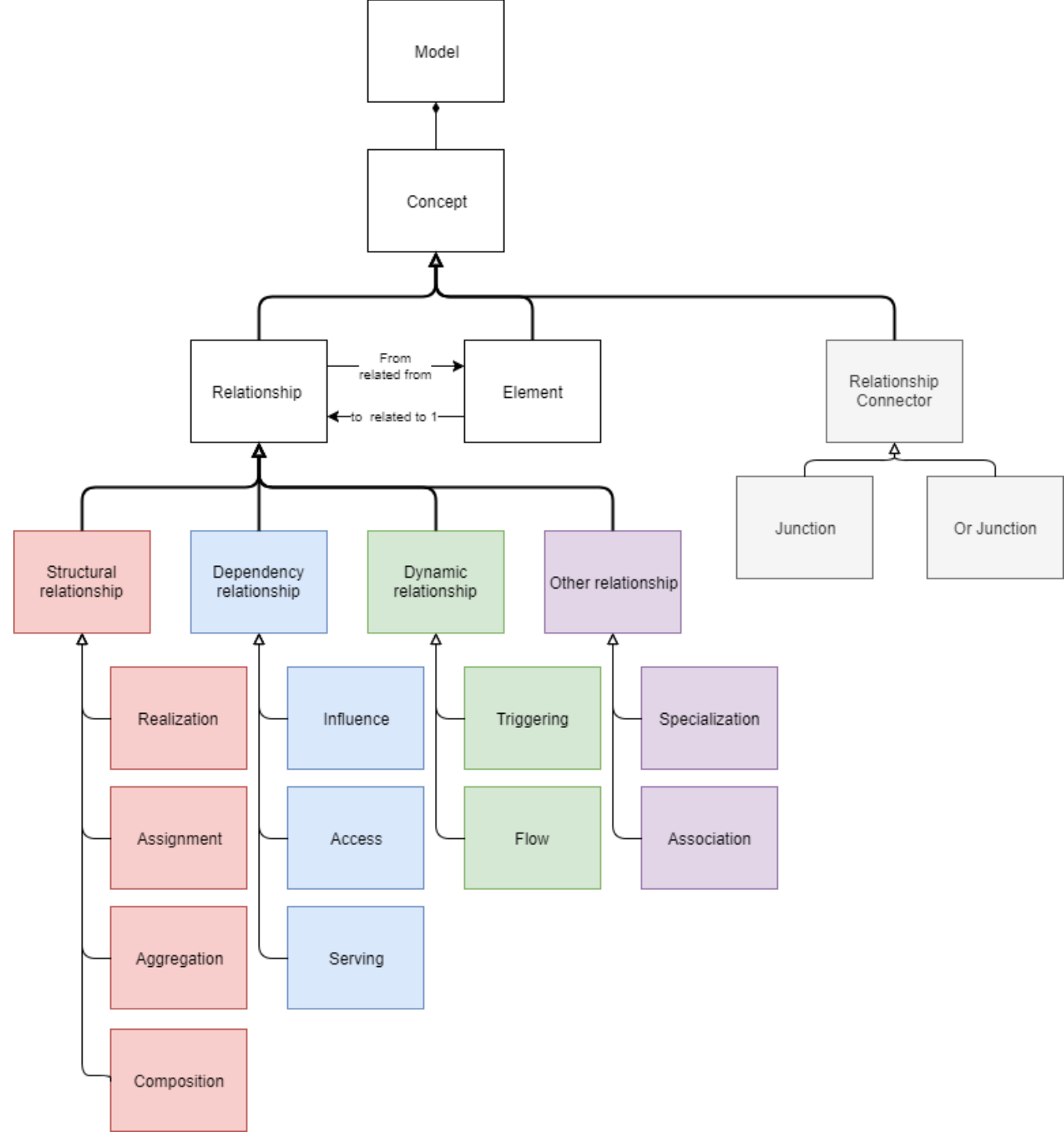
Definície väzieb 1

Vazba	Definice	Typ
	The flow relationship represents transfer from one element to another.	Dynamic
	The triggering relationship describes a temporal or causal relationship between elements.	Dynamic
	The specialization relationship indicates that an element is a particular kind of another element.	Other
	An association models an unspecified relationship, or one that is not represented by another ArchiMate relationship.	Other
Junction - AND Junction - OR  	A junction is used to connect relationships of the same type.	Other

Zoznam povolených väzieb

↓ From / → To	Assessment	Constraint	Driver	Goal	Meaning	Outcome	Principle	Requirement	Stakeholder	Value	Capability	Course of Action	Resource	Business Actor	Business Collaboration	Contract	Business Event	Business Function	Business Interaction	Business Interface	Business Object	Business Process	Product	Representation	Business Role	Business Service
Assessment	cgnos	no	no	no	no	no	no	no	o	no	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Constraint	no	cgnos	no	nor	no	nor	nor	cgnos	o	no	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Driver	no	no	cgnos	no	no	no	no	no	o	no	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Goal	no	no	no	cgnos	no	no	no	no	o	no	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Meaning	no	no	no	no	cgnos	no	no	no	o	no	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Outcome	no	no	no	nor	no	cgnos	no	no	o	no	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Principle	no	no	no	nor	no	nor	cgnos	no	o	no	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Requirement	no	cgnos	no	nor	no	nor	nor	cgnos	o	no	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Stakeholder	o	o	o	o	o	o	o	o	cgnos	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Value	no	no	no	no	no	no	no	no	o	cgnos	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Capability	no	nor	no	nor	no	nor	nor	nor	o	no	cfgostv	fortv	fot	o	o	o	o	o	o	o	o	o	o	o	o	o
Course of Action	no	nor	no	nor	no	nor	nor	nor	o	no	fot	cfgostv	fot	o	o	o	o	o	o	o	o	o	o	o	o	o
Resource	no	nor	no	nor	no	nor	nor	nor	o	no	fio tv	fortv	cfgost	o	o	o	o	o	o	o	o	o	o	o	o	o
Business Actor	no	nor	no	nor	no	nor	nor	nor	ino	no	or	or	or	cfgostv	fotv	ao	fio tv	fiortv	fiortv	cfgio tv	ao	fiortv	fot	ao	fio tv	fiortv
Business Collaboration	no	nor	no	nor	no	nor	nor	nor	no	no	or	or	or	fgotv	cfgostv	ao	fio tv	fiortv	fiortv	cfgio tv	ao	fiortv	fot	ao	fgio tv	fiortv
Contract	no	nor	no	nor	no	nor	nor	nor	o	no	or	or	or	o	o	cgos	o	o	o	o	cgos	o	o	o	o	o
Business Event	no	nor	no	nor	no	nor	nor	nor	o	no	o	o	o	fot	fot	ao	cfgost	fot	fot	fot	ao	fot	fot	ao	fot	fot
Business Function	no	nor	no	nor	no	nor	nor	nor	no	no	or	or	o	fotv	fotv	ao	fotv	cfgorstv	cfgortv	fotv	ao	cfgortv	fot	ao	fotv	fortv
Business Interaction	no	nor	no	nor	no	nor	nor	nor	no	no	or	or	o	fotv	fotv	ao	fotv	cfgortv	cfgorstv	fotv	ao	cfgortv	fot	ao	fotv	fortv
Business Interface	no	nor	no	nor	no	nor	nor	nor	no	no	or	or	or	fotv	fotv	ao	fotv	fotv	fotv	cfgostv	ao	fotv	fot	ao	fotv	fio tv
Business Object	no	nor	no	nor	no	nor	nor	nor	o	no	or	or	or	o	o	cgos	o	o	o	o	cgos	o	o	o	o	o
Business Process	no	nor	no	nor	no	nor	nor	nor	no	no	or	or	o	fotv	fotv	ao	fotv	cfgortv	cfgortv	fotv	ao	cfgorstv	fot	ao	fotv	fortv
Product	no	nor	no	nor	no	nor	nor	nor	no	no	or	or	or	fotv	fotv	acgor	fotv	fotv	fotv	fotv	acgor	fotv	cfgost	acgo	fotv	cfgortv
Representation	no	nor	no	nor	no	nor	nor	nor	o	no	or	or	or	o	o	or	o	o	o	o	or	o	o	cgos	o	o
Business Role	no	nor	no	nor	no	nor	nor	nor	no	no	or	or	or	fotv	fotv	ao	fio tv	fiortv	fiortv	cfgotv	ao	fiortv	fot	ao	cfgostv	fio tv
Business Service	no	nor	no	nor	no	nor	nor	nor	no	no	or	or	o	fotv	fotv	ao	fotv	fotv	fotv	fotv	ao	fotv	fot	ao	fotv	cfgostv

Vázby metamodel



Čo sa oplatí prečítať?

Slovensko a Česko

- Albatrosmedia
- Kopp
- Grada
- Wolters Kluwer
- BEN
- Veda

Zahraničie

- O'Reilly
- Manning
- Packt
- Apress
- Wiley
- No Starch Press

YouTube tutorials

Oracle a O'Reilly

Čo sa oplatí/neoplatí prečítať SK/CZ



Mistrovství a Kuchárka

Čo sa oplatí/neoplatí prečítať EN



Head First



Vývojári



Miroslav

Domov

Vytvoriť



Vývojári

Verejná skupina

Informácie

Diskusia

Oznámenia

Členovia

Podujatia

Videá

Fotky

Súbory

Hľadať v tejto skupine



Skratky

Podnikanie na Slove... 2

UK Manazment Externe...

Testovacia firma

VITA - Virtual It Academy

Startupisti 2

Rubyslava 2

Vývojári

Zobraziť viac



Ste člen

Upozornenia

Zdieľať

Viac

Napísať príspe...

Pridať fotku/vi...

Živé video

Viac



Napište něco...

Fotka/video

Divácka párty

Označiť priat...



NOVÁ AKTIVITA



Roland Mondek

10 h

POZVAŤ ČLENOV

+ Zadať meno alebo e-mailovú adresu...



ČLENOVIA

5 505 členov



POPIS

Skupina softvérových vývojárov. Táto skupina by mala byť miestom... Zobraziť viac

TYP SKUPINY

Všeobecné

VAŠE STRÁNKY



IT Academy



VITA - Virtual It Academy

KONTAKTY



Evka Rybárska



Jarmila Palenčárová



Stefan Orosi



Ivana Ivka Jasaňová

Hrá Word Blitz



Ivana Pavlíková



Martin Vanko



Lucia Kovačičová

4 h



Lošák Filip



Andrej Nejedlik



Gabika Zubriková

SKUPINOVÉ KONVERZÁCIE



Vytvoriť novú skupinu

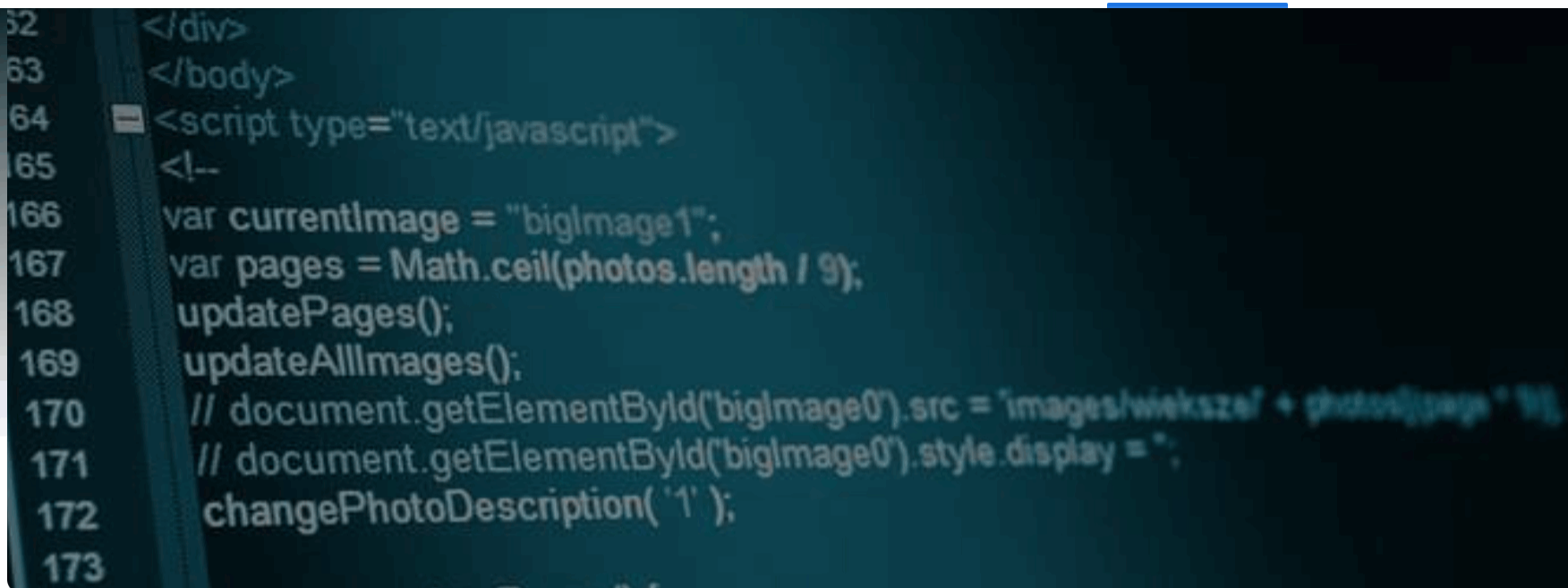
ĎALŠIE KONTAKTY (93)

Hľadať





Miroslav



Programátori

🌐 Verejná skupina · 7,2 tis. členov

👤 Člen ▼

+ Pozvať



Informácie

Diskusia

Vybrané

Témy

Ľudia

Podujatia

Médiá

Súbory



Napíšte niečo...



Živé video



Fotka/video



Anketa

Vybrané



Informácie

Táto skupina slúži na dohadzovanie si kšeftíkov a pre hľadačov programátorov / vývojárov.



Verejná

Členov skupiny a ich príspevky bude vidieť ktokoľvek.





Miroslav



JavaGroup

🌐 Verejná skupina · 450 členov

👤 Člen ▼

+ Pozvať



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Ziju este nejaki Javisti? Dajte o sebe vediet

Skupina nie je urcena pre zadavanie inzeratov a HR / recruiting. Dakujeme za pochopenie.



Verejná

Členov skupiny a ich príspevky bude vidieť

Vybrané



Home

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Questions

Tags

Users

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Tags

A tag is a keyword or label that categorizes your question with other, similar questions. Using the right tags makes it easier for others to find and answer your question.

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Popular

Name

New

java

Java is a high-level object oriented programming language. Use this tag when you're having problems using or understanding the language itself. Thi...

1827413 questions

419 asked today, 2408 this week

javascript

For questions regarding programming in ECMAScript (JavaScript/JS) and its various dialects/implementations (excluding ActionScript). Note...

2335556 questions

779 asked today, 4877 this week

javafx

The JavaFX platform enables developers to create and deploy Graphical User Interface (GUI) applications that behave consistently...

36355 questions

6 asked today, 50 this week

java-8

for questions specific to Java 8 which is version 8 (internal number 1.8) of the Java platform, released on 18 March 2014. In most cases, you should also...

22076 questions

9 asked today, 40 this week

java-stream

for questions related to the use of the Stream API. It was introduced in Java 8 and supports functional-style operations on streams of values, such...

10293 questions

5 asked today, 26 this week

java-native-interface

The Java Native Interface (JNI) gives both the ability for JVM implementations to run system native code and the ability for native code t...

9404 questions

12 asked this week, 38 this month

rx-java

RxJava – Reactive Extensions for the JVM – a library for composing asynchronous and event-based programs using observable sequence...

6796 questions

6 asked this week, 27 this month

javascript-objects

for questions related to JavaScript objects.

6151 questions

20 asked this week, 118 this month

java.util.scanner

A simple text scanner in the JDK which can parse primitive types and strings using regular expressions.

javaafx-8

JavaFX 8 (previously named JavaFX 3) introduces a new API for JavaFX technology. JavaFX 8 supports 3D and brings up a Retina-Display Support. It ...

java-me

Java Platform, Micro Edition, or Java ME, is a Java platform designed for embedded systems.

facebook-javascript-sdk

Facebook's JavaScript SDK provides a rich set of client-side functionality for accessing Facebook's server-side API calls. It can collaborate with any SDK...

Priestor pre vaše otázky.

Mrkni na náš YouTube kanál a daj odber

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