

Abbreviation Rules

- [Abbreviation Rules](#)
- [IntelliJ Idea Plugin](#)
 - [Installation](#)
- [Variable Abbreviation](#)

Abbreviation Rules

Type and method names are usually not abbreviated (except for the well-accepted abbreviations such as *EOF*, *Impl*, *Fifo*, etc.).

Abbreviation applies to local variables, method parameters, class fields and in some cases public static fields (constants) of the class.

Variable name should be abbreviated using table below containing mapping between longer name and its short form.

RULE 1

The variable name should be as short as possible yet to be descriptive enough in a given context.

RULE 2

The descriptiveness of the variable name should be proportional to its significance in a given context.

IntelliJ Idea Plugin

There is a simple custom plugin available that performs on-the-fly check of variable names and highlights incorrectly named variables.

Plugin can be downloaded from wiki: [ignite-abbrev-plugin-3.0.1.jar](#)

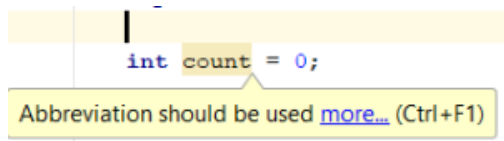
Source code of plugin can be found at [GitHub ignite-abbrev-plugin](#)

Installation

To install plugin to idea you can do the following steps:

1. Go to 'Settings', and to 'Plugins' section.
2. Select 'Install Plugin From Disk' and select jar from local file system.

'Apache Ignite abbreviation plugin' should appear. After Idea restart abbreviations will be highlighted by editor.



Variable Abbreviation

Note that in some cases it is allowable to abbreviate a word to its first letter (like, for a example, when there is a naming conflict, on in a loop variables, or in a catch clause). Note also that class on instance fields should almost never be abbreviated to one letter and should use instead the common abbreviations below.

In some rare cases one-letter names can be augmented by number like in common nested catch clause example: e, e1, e2.

Widely used names in the project including specific domain area terms are summarised in the table below. It is required to use abbreviated form for code consistency.

Name	Abbreviation
address	addr
affinity	aff
argument	arg
array	arr
attribute(s)	attr(s)
buffer	buf

class	cls
command	cmd
config	cfg
context	ctx
count	cnt
current	cur
database	db
default	dflt
destination	dest
directory	dir
event	evt
exception	e, e2, ex
execute	exec
frequency	freq
future	fut
group	grp
handler	hnd
header	hdr
implementation	impl
index	idx
initial(ize)	init
iterator	iter
label	lbl
local	loc
logger	log
loader	ldr
manager	mgr
message	msg
mutex	mux
network	net
object	obj
package	pkg
parameter	param
password	pwd
policy	plc
property(ies)	prop(s)
process, processor	proc
query	qry
receive	rcv
reference	ref
regular expression	regex

repository	repo
request	req
resource	rsrc
response	res
return value	retVal
sender	snd
service	srvc
session	ses
sequence	seq
socket	sock
source	src
string	s, str
subject	subj
system	sys
topology	top
topology version	topVer
value	val
version	ver