

Vom Schminken wird die Sau nicht schön

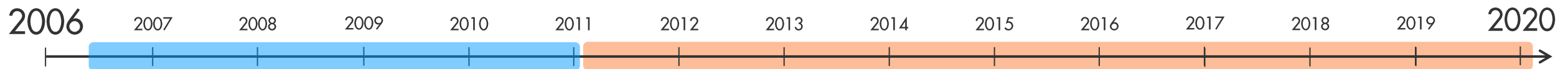
Warum wirkliche UX-Verbesserung fundamentale Änderungen der Software erfordert



TUM



CQSE

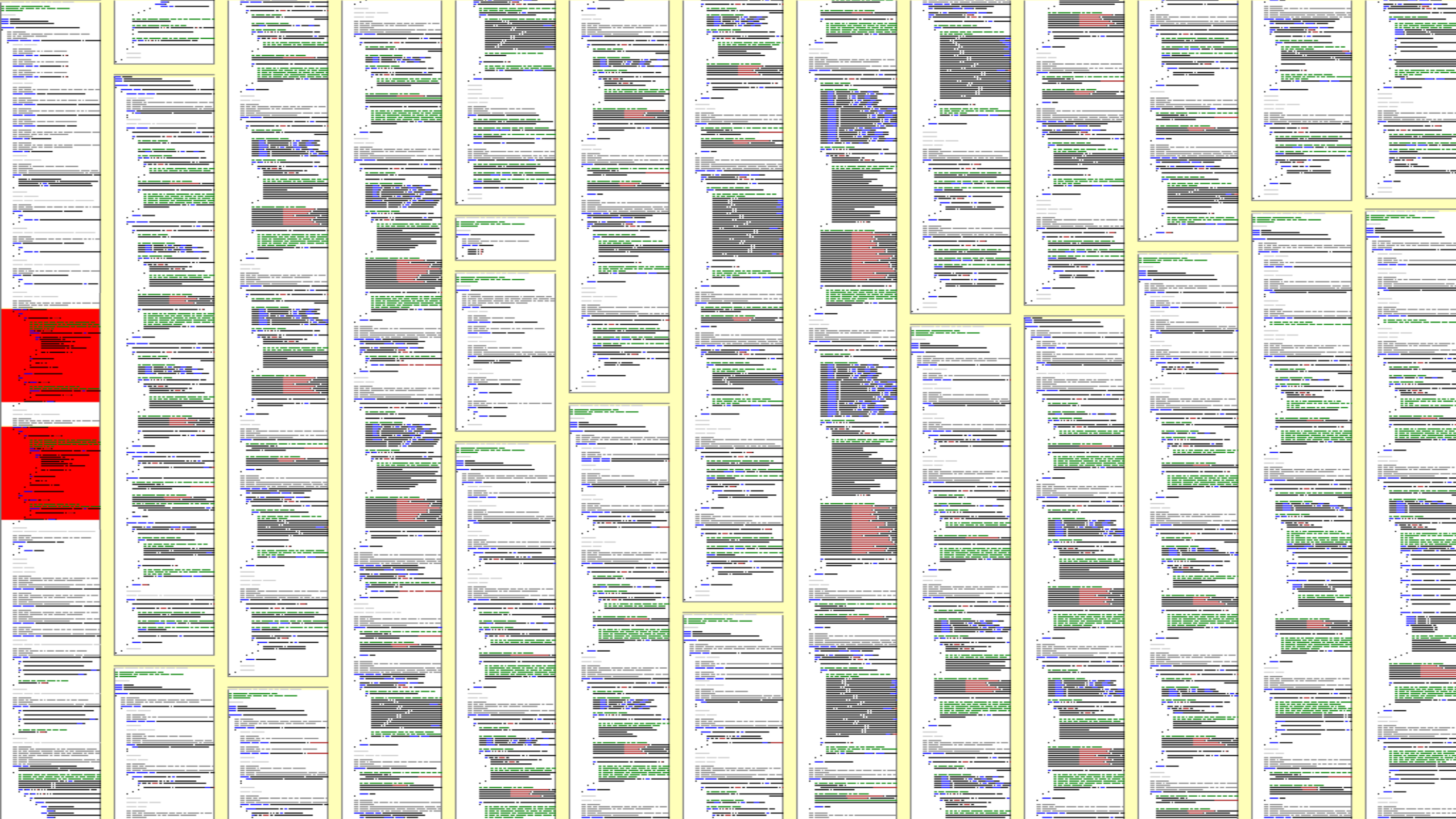


```
// Utilities for arrays of elements
public String showElements(ModelElement[] elements, String nomsg) {
    boolean found = false;
    StringBuffer res = new StringBuffer();
    if (elements != null) {
        Index.getInstance().setCurrentRenderer(
            FlatReferenceRenderer.getInstance());
        for (int i = 0; i < elements.length; i++) {
            ModelElement el = elements[i];
            res.append(showElementLink(el)).append(HTML.LINE_BREAK);
            found = true;
        }
        Index.getInstance().resetCurrentRenderer();
    }
    if (!found && nomsg != null && nomsg.length() > 0) {
        res.append(HTML.italics(nomsg));
    }
    return res.toString();
}
```

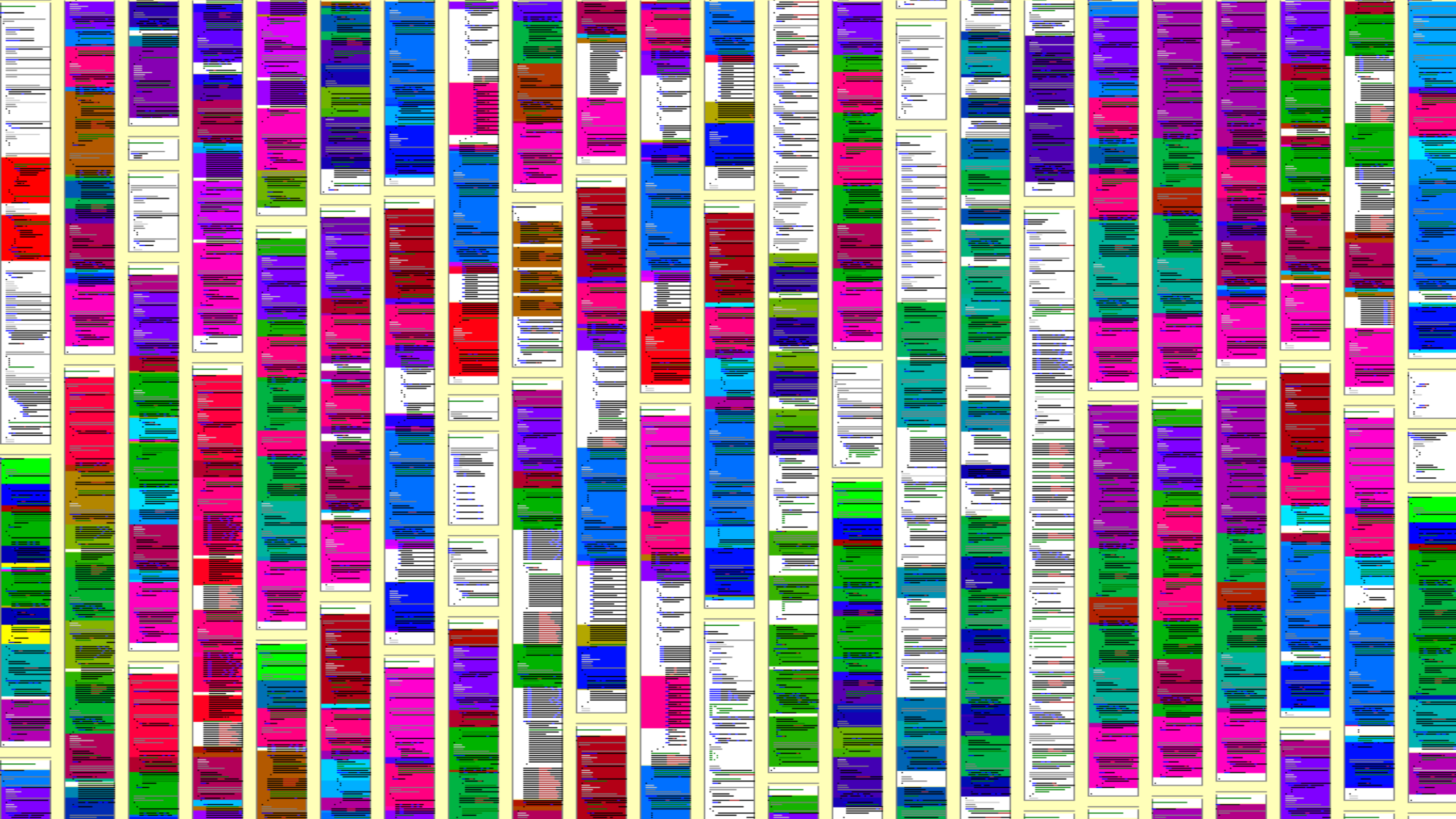
```
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    boolean found = false;
    StringBuffer res = new StringBuffer();
    if (elements != null) {
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            FlatReferenceRenderer.getInstance());
        for (int i = 0; i < elements.length; i++) {
            ModelElement el = elements[i];
            res.append(showElementLink(el)).append(HTML.LINE_BREAK);
            found = true;
        }
        Index.getInstance().resetCurrentRenderer();
    }
    if (!found && nomsg.length() > 0) {
        res.append(HTML.italics(nomsg));
    }
    return res.toString();
}
```

```
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public String showElements(ModelElement[] elements, String nomsg) {
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    if (elements != null) {
        Index.getInstance().setCurrentRenderer(
            FlatReferenceRenderer.getInstance());
        for (int i = 0; i < elements.length; i++) {
            ModelElement el = elements[i];
            res.append(showElementLink(el)).append(HTML.LINE_BREAK);
            found = true;
        }
        Index.getInstance().resetCurrentRenderer();
    }
    if (!found && nomsg != null && nomsg.length() > 0) {
        res.append(HTML.italics(nomsg));
    }
    return res.toString();
}
```









- Dashboard
- Activity
- Findings
- Metrics
- Tests
- Issues
- Tasks
- Architecture
- Delta
- Projects
- System
- Admin

jenkins/test/src/main/java/org/jvnet/hudson/test/HudsonTestCase.java (revision 12d96a56...)

```

if (lhs==null && rhs==null) return;
if (lhs==null) fail("lhs is null while rhs="+rhs);
if (rhs==null) fail("rhs is null while lhs="+lhs);

Constructor<?> lc = findDataBoundConstructor(lhs.getClass());
Constructor<?> rc = findDataBoundConstructor(rhs.getClass());
assertEquals("Data bound constructor mismatch. Different type?",lc,rc);

List<String> primitiveProperties = new ArrayList<String>();

String[] names = ClassDescriptor.loadParameterNames(lc);
Class<?>[] types = lc.getParameterTypes();
assertEquals(names.length,types.length);
for (int i=0; i<types.length; i++) {
    Object lv = ReflectionUtils.getPublicProperty(lhs, names[i]);
    Object rv = ReflectionUtils.getPublicProperty(rhs, names[i]);

    if (Iterable.class.isAssignableFrom(types[i])) {
        Iterable lcol = (Iterable) lv;
        Iterable rcol = (Iterable) rv;
        Iterator ltr,rtr;
        for (ltr=lcol.iterator(), rtr=rcol.iterator(); ltr.hasNext() && rtr.hasNext();){
            Object litem = ltr.next();
            Object ritem = rtr.next();

            if (findDataBoundConstructor(litem.getClass())!=null) {
                assertEqualsDataBoundBeans(litem,ritem);
            } else {
                assertEquals(litem,ritem);
            }
        }
        assertFalse("collection size mismatch between "+lhs+" and "+rhs, ltr.hasNext() ^
    } else
    if (findDataBoundConstructor(types[i])!=null || (lv!=null && findDataBoundConstructo
        // recurse into nested databound objects
        assertEqualsDataBoundBeans(lv,rv);
    } else {
        primitiveProperties.add(names[i]);
    }
}

// compare shallow primitive properties
if (!primitiveProperties.isEmpty())
    assertEqualsBeans(lhs,rhs,Util.join(primitiveProperties,""));

*
Makes sure that two collections are identical via {@link #assertEqualDataBoundBeans(Object
/
public void assertEqualsDataBoundBeans(List<?> lhs, List<?> rhs) throws Exception {
    assertEquals(lhs.size(), rhs.size());
}
    
```

jenkins/test/src/main/java/org/jvnet/hudson/test/JenkinsRule.java (revision 12d96a56...)

```

if (lhs==null && rhs==null) return;
if (lhs==null) fail("lhs is null while rhs="+rhs);
if (rhs==null) fail("rhs is null while lhs="+lhs);

Constructor<?> lc = findDataBoundConstructor(lhs.getClass());
Constructor<?> rc = findDataBoundConstructor(rhs.getClass());
assertThat("Data bound constructor mismatch. Different type?", (Constructor)rc, is((Cons

List<String> primitiveProperties = new ArrayList<String>();

String[] names = ClassDescriptor.loadParameterNames(lc);
Class<?>[] types = lc.getParameterTypes();
assertThat(types.length, is(names.length));
for (int i=0; i<types.length; i++) {
    Object lv = ReflectionUtils.getPublicProperty(lhs, names[i]);
    Object rv = ReflectionUtils.getPublicProperty(rhs, names[i]);

    if (lv != null && rv != null && Iterable.class.isAssignableFrom(types[i])) {
        Iterable lcol = (Iterable) lv;
        Iterable rcol = (Iterable) rv;
        Iterator ltr,rtr;
        for (ltr=lcol.iterator(), rtr=rcol.iterator(); ltr.hasNext() && rtr.hasNext();){
            Object litem = ltr.next();
            Object ritem = rtr.next();

            if (findDataBoundConstructor(litem.getClass())!=null) {
                assertEqualsDataBoundBeans(litem,ritem);
            } else {
                assertThat(ritem, is(litem));
            }
        }
        assertThat("collection size mismatch between " + lhs + " and " + rhs, ltr.hasNext()
            is(false));
    } else
    if (findDataBoundConstructor(types[i])!=null || (lv!=null && findDataBoundConstructo
        // recurse into nested databound objects
        assertEqualsDataBoundBeans(lv,rv);
    } else {
        primitiveProperties.add(names[i]);
    }
}

// compare shallow primitive properties
if (!primitiveProperties.isEmpty())
    assertEqualsBeans(lhs,rhs,Util.join(primitiveProperties,""));

*
Makes sure that two collections are identical via {@link #assertEqualDataBoundBeans(Object
/
public void assertEqualsDataBoundBeans(List<?> lhs, List<?> rhs) throws Exception {
    assertEquals(lhs.size(), rhs.size());
}
    
```


larger/source/.../PriceElementUtil.plsql

(revision default:1...)

```

223     AND NVL(t.valid_from, Database_SYS.Get_First_C
224     AND NVL(t.valid_to, Database_SYS.Get_Last_Cale
225
226 BEGIN
227     OPEN get_price_interval;
228     FETCH get_price_interval INTO valid_from_, valid_u
229     CLOSE get_price_interval;
230     IF valid_from_ > Site_API.Get_Site_Date(contract_)
231         valid_date_ := valid_from_;
232     ELSE
233         valid_date_ := LEAST(NVL(valid_until_, TRUNC(Sit
234     END IF;
235
236     -- only calculate unit base (False) but no metal su
237     temp1_ :=0;
238
239     OPEN get_pl_currency_code;
240     FETCH get_pl_currency_code INTO pl_currency_code_;
241     CLOSE get_pl_currency_code;
242
243     FOR rec_ IN get_all_conn_unit_base_false LOOP

```

larger/source/.../PriceElementUtil.plsql

(revision default:1...)

```

346 BEGIN
347     OPEN get_price_interval;
348     FETCH get_price_interval INTO valid_from_, valid_u
349     CLOSE get_price_interval;
350     IF valid_from_ > Site_API.Get_Site_Date(contract_)
351         valid_date_ := valid_from_;
352     ELSE
353         -- Change for Ticket #1234 (START)
354         --valid_date_ := LEAST(NVL(valid_until_, TRUNC($
355         valid_date_ := LEAST(NVL(valid_until_, Site_API
356         -- Change for Ticket #1234 (FINISH)
357     END IF;
358
359     -- calculate only metal surcharge without unit base
360     temp3_ :=0;
361
362     OPEN get_pl_currency_code;
363     FETCH get_pl_currency_code INTO pl_currency_code_;
364     CLOSE get_pl_currency_code;
365
366     FOR rec_ IN get_all_metal_surcharge LOOP

```

```

if i_kart-life_value < 0.
  write '50'          to it_down-newbs.
  i_kart-life_value = i_kart-life_value * -1.
  write i_kart-life_value to it_down-wrbtr
                        currency i_kost_ges-currency.

endif.
it_down-xblnr      = w_xblnr.
it_down-zuonr     = w_zuonr.
it_down-sgtxt     = w_sgtxt.
it_down-kostl     = i_kost_ges-fi_life_cost_center.
it_down-zzvber    = '10'.
it_down-bukrs     = i_kost_ges-booking.
*
if it_down-bukrs ne '0001'.
  write 'SA'        to it_down-blart.
  clear it_down-zzvber.
endif.
*
replace all occurrences of '.' in it_down-wrbtr with ''.
append it_down.
endloop.
*
describe table it_down lines l_it_down.
it_down-blkz = 'E'.
modify it_down index l_it_down transporting blkz.
endloop.
*
*--- Non-Life Quartal
loop at i_kost_ges where period_type = 'q' and
                        non_life_value ne 0.
                        and fehler ne 'X'.
*
if i_kost_ges-fibu_type = 'Y'.
  d_fibu_type = text-k01.

```

```

if i_kart-non_life_value < 0.
  write '50'          to it_down-newbs.
  i_kart-non_life_value = i_kart-non_life_value * -1.
  write i_kart-non_life_value to it_down-wrbtr
                        currency i_kost_ges-currency.

endif.
*
it_down-xblnr      = w_xblnr.
it_down-zuonr     = w_zuonr.
it_down-sgtxt     = w_sgtxt.
it_down-kostl     = i_kost_ges-fi_non_life_cost_center.
it_down-zzvber    = '10'.
it_down-bukrs     = i_kost_ges-booking.
*
if it_down-bukrs ne '0001'.
  write 'SA'        to it_down-blart.
  clear it_down-zzvber.
endif.
*
append it_down.
*
endloop.
describe table it_down lines l_it_down.
it_down-blkz = 'E'.
modify it_down index l_it_down transporting blkz.
endloop.
*
*--- Monatlich Health
loop at i_kost_ges where period_type = 'm' and
                        health_value ne 0.
                        fehler ne 'X'.
*
if i_kost_ges-fibu_type = 'Y'.
  d_fibu_type = text-k01.

```

3 Clone class (46 token-sequences) with 2 instances found at

D:/Source/ [REDACTED] /Gui.Dialogs/UserControls/NavigationTrees/Trees/TreeAdministrationQuarterly.cs (94)

length: 145 lines; transformed length: 46

D:/Source/ [REDACTED] /Gui.Dialogs/UserControls/NavigationTrees/Trees/TreeAdministrationYearly.cs (107)

length: 145 lines; transformed length: 46

4 Clone class (43 token-sequences) with 2 instances found at

D:/Source/ [REDACTED] /Gui.Dialogs/UserControls/ [REDACTED] /UserControlGeneralMainSegment.cs (889)

length: 128 lines; transformed length: 43

D:/Source/ [REDACTED] /Gui.Dialogs/UserControls/ [REDACTED] /UserControlGeneralMainSegmentCMC.cs (654)

length: 122 lines; transformed length: 43

5 Clone class (42 token-sequences) with 2 instances found at

D:/Source/ [REDACTED] /Gui.Dialogs/UserControls/NavigationTrees/TreeAndFilter/TreeAndFilterAdministrationQuarterly.cs (127)

length: 98 lines; transformed length: 42

D:/Source/ [REDACTED] /Gui.Dialogs/UserControls/NavigationTrees/TreeAndFilter/TreeAndFilterAdministrationYearly.cs (130)

length: 98 lines; transformed length: 42

6 Clone class (35 token-sequences) with 2 instances found at

D:/Source/ [REDACTED] /AppCore.BusinessObjects/BackEndObjects/BeoBranchHistory.cs (130)

length: 34 lines; transformed length: 35

D:/Source/ [REDACTED] /AppCore.BusinessObjects/BackEndObjects/BeoHistory.cs (117)

length: 34 lines; transformed length: 35

7 Clone class (33 token-sequences) with 2 instances found at

D:/Source/ [REDACTED] /AppCore.BusinessObjects/History/BranchHistory.cs (582)

length: 68 lines; transformed length: 33

D:/Source/ [REDACTED] /AppCore.BusinessObjects/History/History.cs (488)

length: 70 lines; transformed length: 33

8 Clone class (33 token-sequences) with 2 instances found at

D:/Source/ [REDACTED] /Application/ [REDACTED] (250)

length: 69 lines; transformed length: 33

D:/Source/ [REDACTED] /Gui.Test/TestForm.cs (1080)

length: 69 lines; transformed length: 33

TreeAdministrationQuarterly.cs

```
93  /// </summary>
94  protected override bool DoLazyLoading(
95      UltraTreeNode node)
96  {
97      // Some types of segments always have the
98      // expand icon
99      if ( node.Tag is GaSegment ||
100         node.Tag is MainSegment ||
101         node.Tag is GeneralMainSegment ||
102         node.Tag is Branch )
103         return true;
104     // All others only if there are child nodes
105     return false;
106 }
107
108 /// <summary>
109 /// Structure segments return only loss or
110 /// premium segments according to
111 /// the mode.
112 /// </summary>
113 protected override IList GetChildSegments(
114     ISegment parent, ref bool alreadySorted )
115 {
116     if ( parent is StructureSegment )
117     {
118         // Show either premium or loss beyond
119         // structure segment
120         StructureSegment strucSeg = (StructureSegment
121             )parent;
122         if ( (TypeOfSgmtEnum) GetFilterValue( typeof(
123             TypeOfSgmtEnum) ) == TypeOfSgmtEnum.Loss
124             )
125             return strucSeg.GetLossProcessingSegments();
126         else
127             return strucSeg.GetPremiumProcessingSegments
128             ();
129     }
130 }
```

TreeAdministrationYearly.cs

```
106  /// </summary>
107  protected override bool DoLazyLoading(
108      UltraTreeNode node)
109  {
110      // Some types of segments always have the
111      // expand icon
112      if ( node.Tag is GaSegment ||
113         node.Tag is MainSegment ||
114         node.Tag is GeneralMainSegment ||
115         node.Tag is Branch )
116         return true;
117     // All others only if there are child nodes
118     return false;
119 }
120
121 /// <summary>
122 /// Structure segments return only loss or
123 /// premium segments according to
124 /// the mode.
125 /// </summary>
126 protected override IList GetChildSegments(
127     ISegment parent, ref bool alreadySorted )
128 {
129     if ( parent is StructureSegment )
130     {
131         // Show either premium or loss beyond
132         // structure segment
133         StructureSegment strucSeg = (StructureSegment
134             )parent;
135         if ( (TypeOfSgmtEnum) GetFilterValue( typeof(
136             TypeOfSgmtEnum) ) == TypeOfSgmtEnum.Loss
137             )
138             return strucSeg.GetLossProcessingSegments();
139         else
140             return strucSeg.GetPremiumProcessingSegments
141             ();
142     }
143 }
```

```

if i_kart-life_value < 0.
  write '50'          to it_down-newbs.
  i_kart-life_value = i_kart-life_value * -1.
  write i_kart-life_value to it_down-wrbtr
                        currency i_kost_ges-currency.

endif.
it_down-xblnr      = w_xblnr.
it_down-zuonr     = w_zuonr.
it_down-sgtxt     = w_sgtxt.
it_down-kostl     = i_kost_ges-fi_life_cost_center.
it_down-zzvber    = '10'.
it_down-bukrs     = i_kost_ges-booking.
*
if it_down-bukrs ne '0001'.
  write 'SA'        to it_down-blart.
  clear it_down-zzvber.
endif.
*
replace all occurrences of '.' in it_down-wrbtr with ''.
append it_down.
endloop.
*
describe table it_down lines l_it_down.
it_down-blkz = 'E'.
modify it_down index l_it_down transporting blkz.
endloop.
*
*--- Non-Life Quartal
loop at i_kost_ges where period_type = 'q' and
                        non_life_value ne 0.
                        and fehler ne 'X'.
*
  if i_kost_ges-fibu_type = 'Y'.
    d_fibu_type = text-k01.
  .

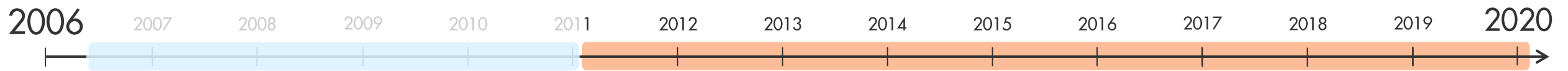
```

```

if i_kart-non_life_value < 0.
  write '50'          to it_down-newbs.
  i_kart-non_life_value = i_kart-non_life_value * -1.
  write i_kart-non_life_value to it_down-wrbtr
                        currency i_kost_ges-currency.

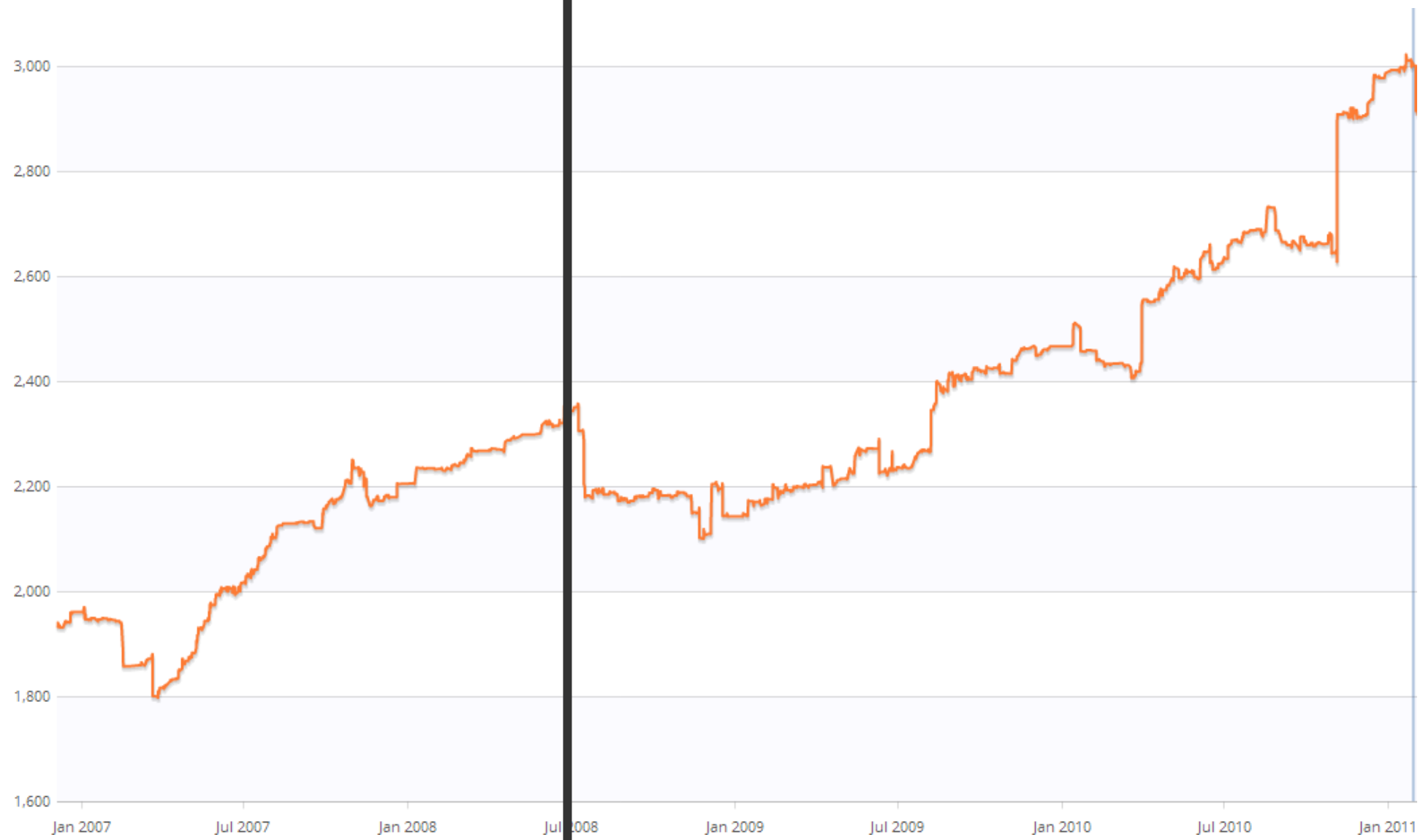
endif.
*
it_down-xblnr      = w_xblnr.
it_down-zuonr     = w_zuonr.
it_down-sgtxt     = w_sgtxt.
it_down-kostl     = i_kost_ges-fi_non_life_cost_center.
it_down-zzvber    = '10'.
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endloop.
*
*--- Monatlich Health
loop at i_kost_ges where period_type = 'm' and
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*
  if i_kost_ges-fibu_type = 'Y'.
    d_fibu_type = text-k01.
  .

```











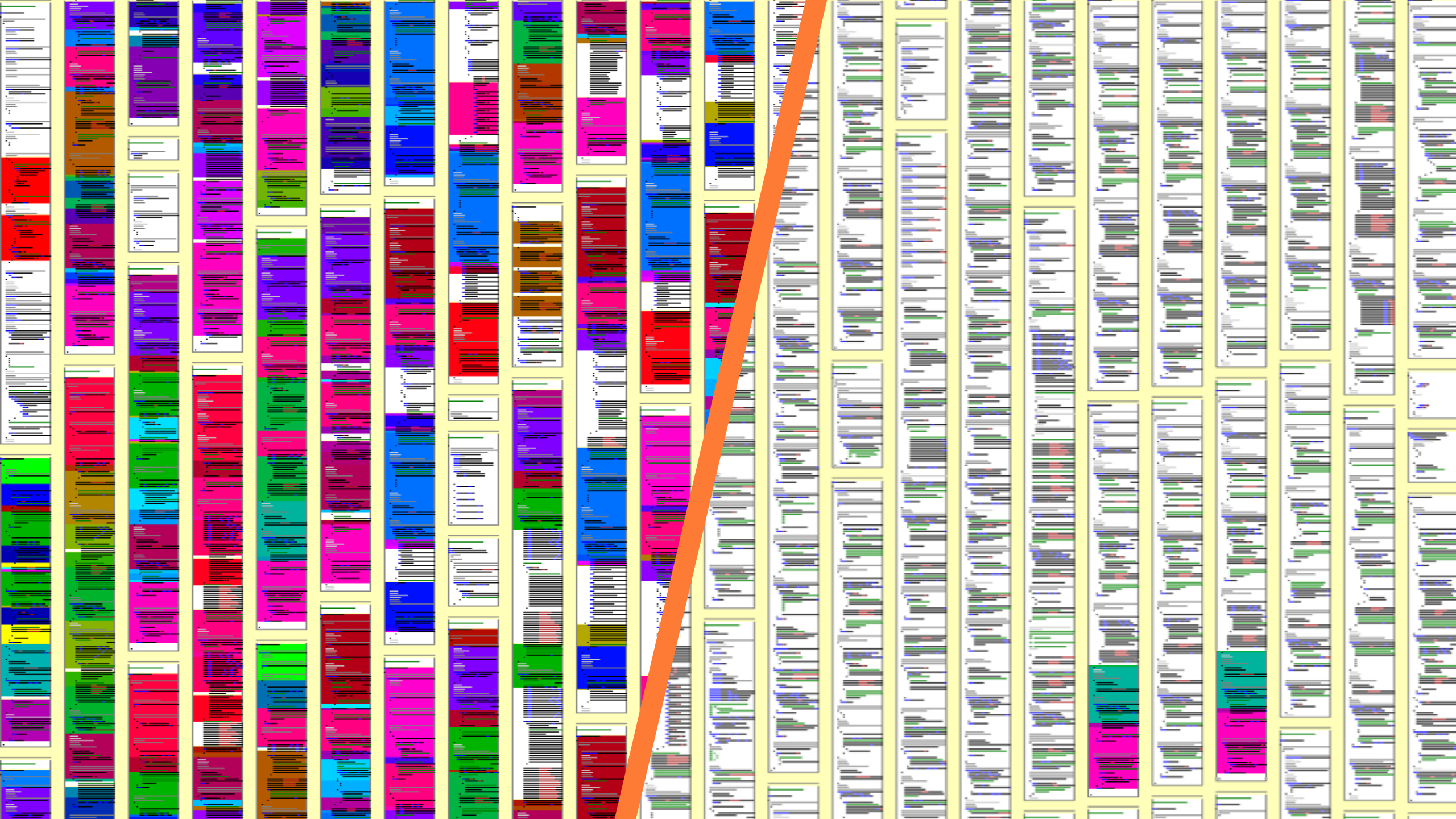
+

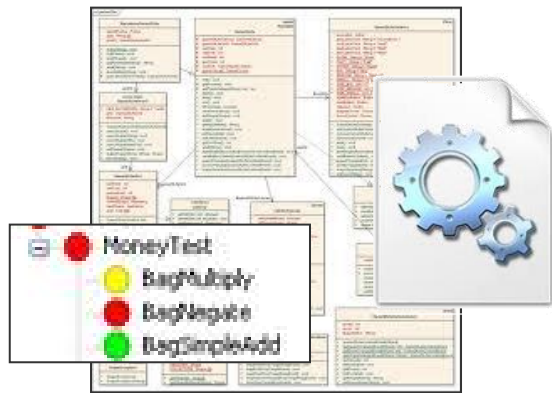


=

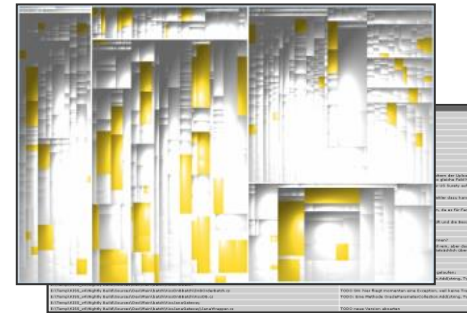




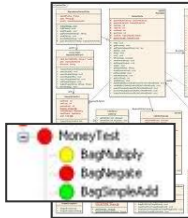




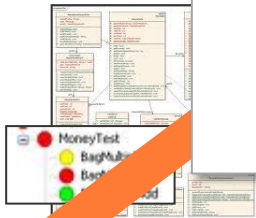
conQAT



Baseli



Latest V



Runtime?

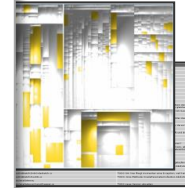
Findings-Tracking?

Feature-Branches?

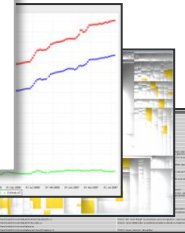
Config Changes?

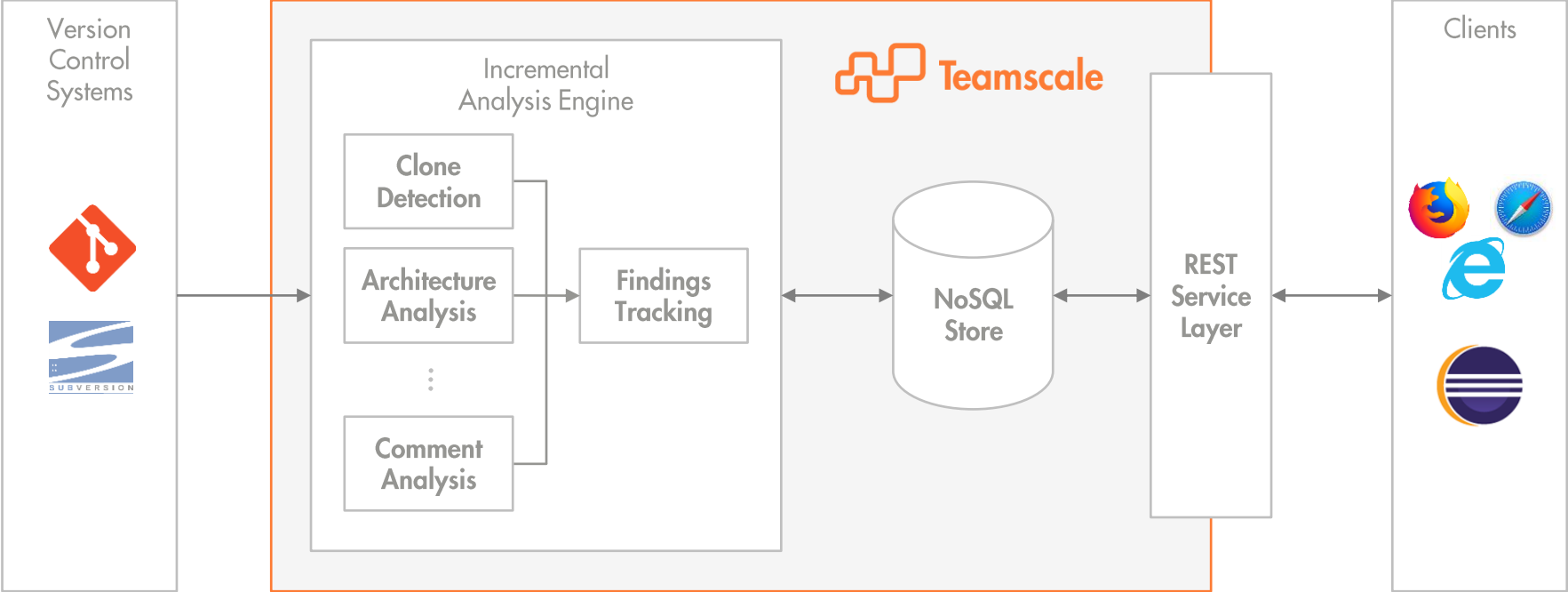
...?

Baseli
Board



Board
+ Delta





Project:

CQSE All

Branch:

master

Timetravel:

All Commits.


CR#14434 Fix Artifactory test

 by [Andi Scharfstein](#) in revision [a32daf8a](#) in branch [cr/14434_unify_default_branch](#) (Gitlab)

Files: 2 changed

 Issue: [TS-14434](#)

 Findings: 0

Mar 13 2018

14:15


Merge branch 'teamscale/v4.1.x'

 by [Lars Heinemann](#) in revision [c4f01a6e](#) in branch [master](#) (Gitlab)

 Merged from [cr/14098_connection_profile_branch](#) 0 3

Files: 1 added, 20 changed

 Findings: 0

Mar 13 2018

14:08


CR#14434 Fix test cases

 by [Andi Scharfstein](#) in revision [2aa45de3](#) in branch [cr/14434_unify_default_branch](#) (Gitlab)

Files: 6 changed

 Issue: [TS-14434](#)

 Findings: 1

Mar 13 2018

14:00


CR#14448: disable flickering test

 by [Lars Heinemann](#) in revision [47f12dde](#) in branch [cr/14098_connection_profile_branch](#) (Gitlab)

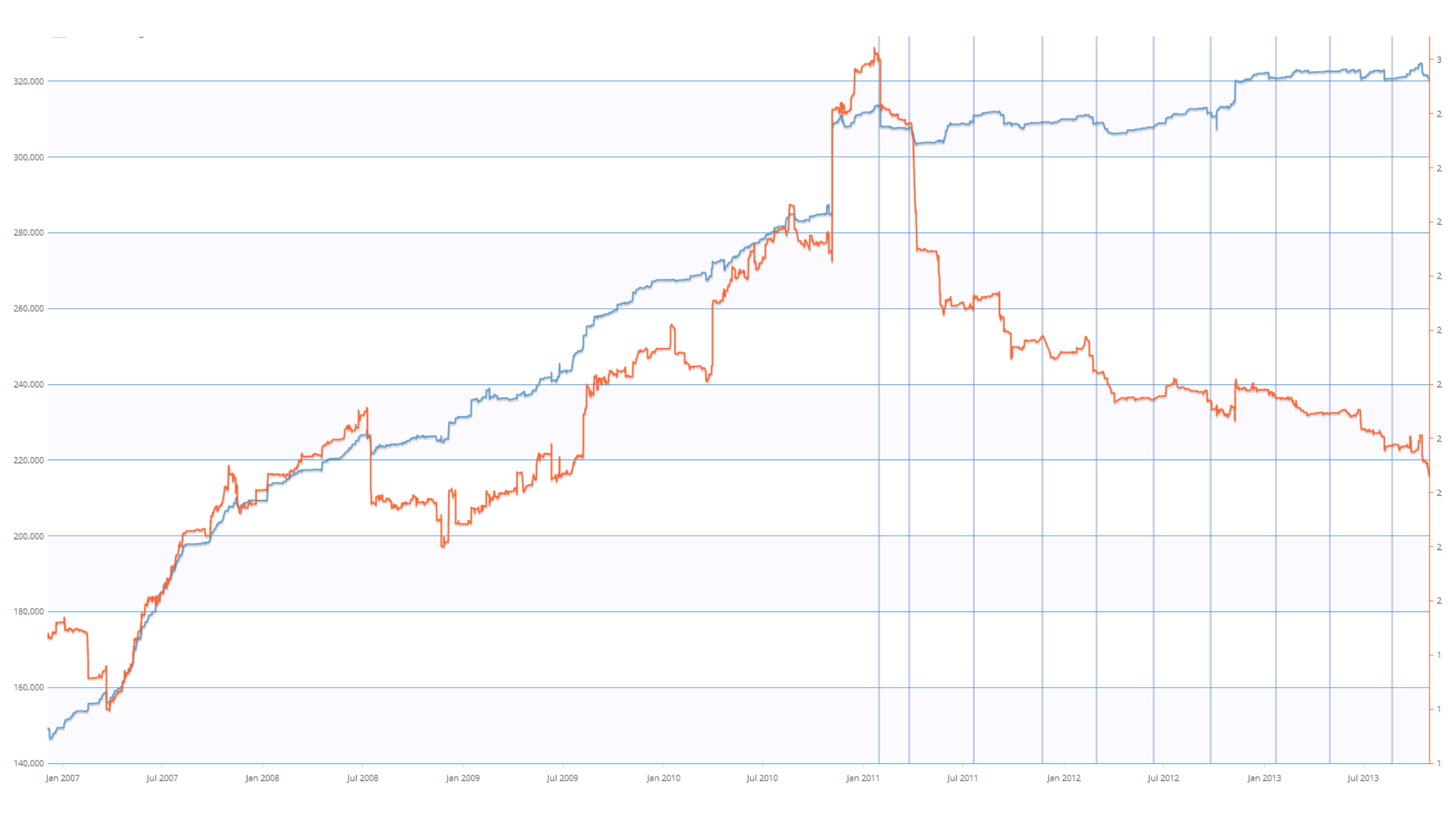
Files: 1 changed

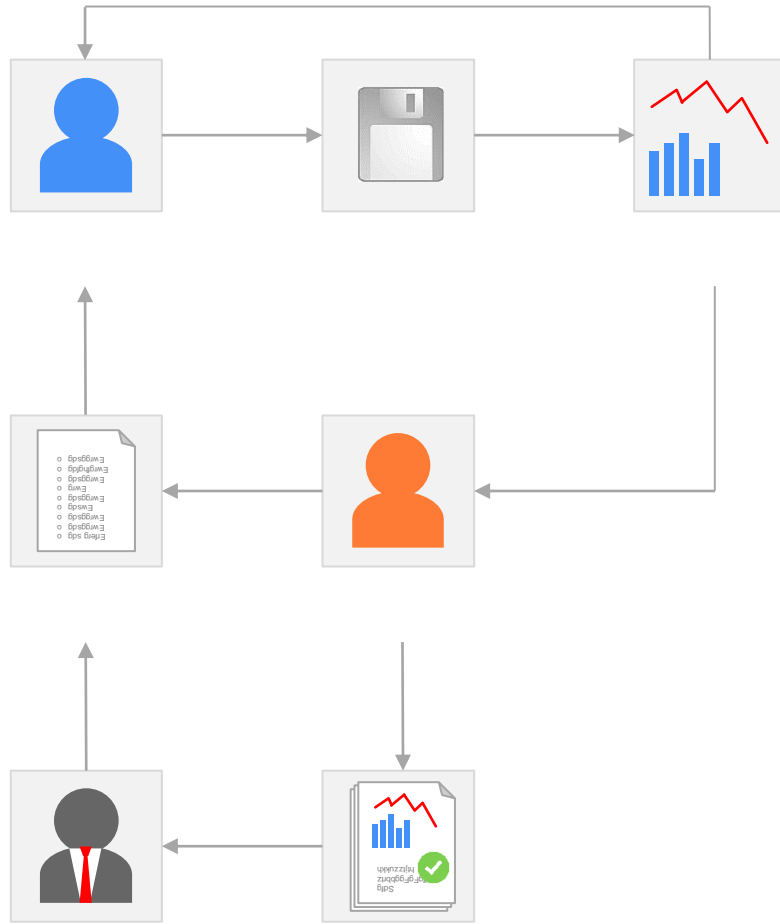
 Issue: [TS-14448](#)

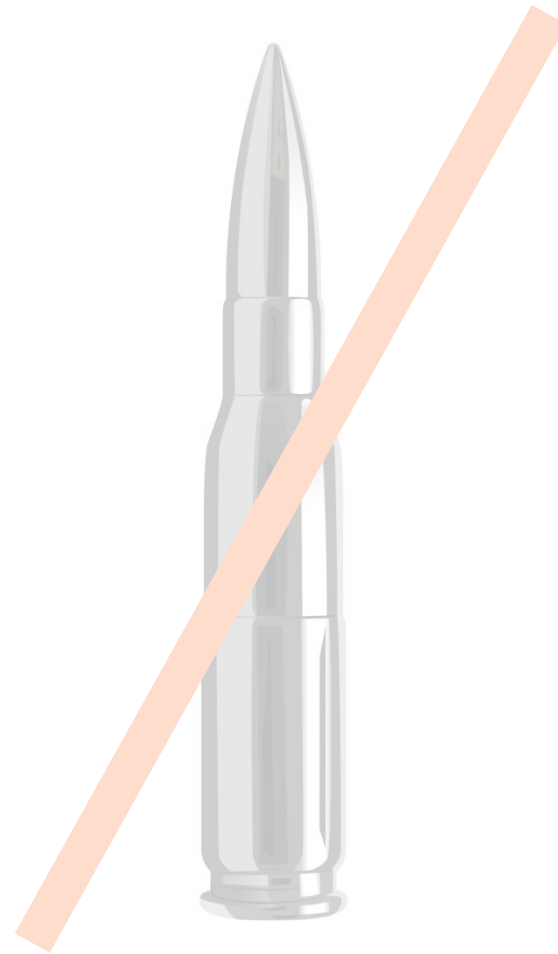
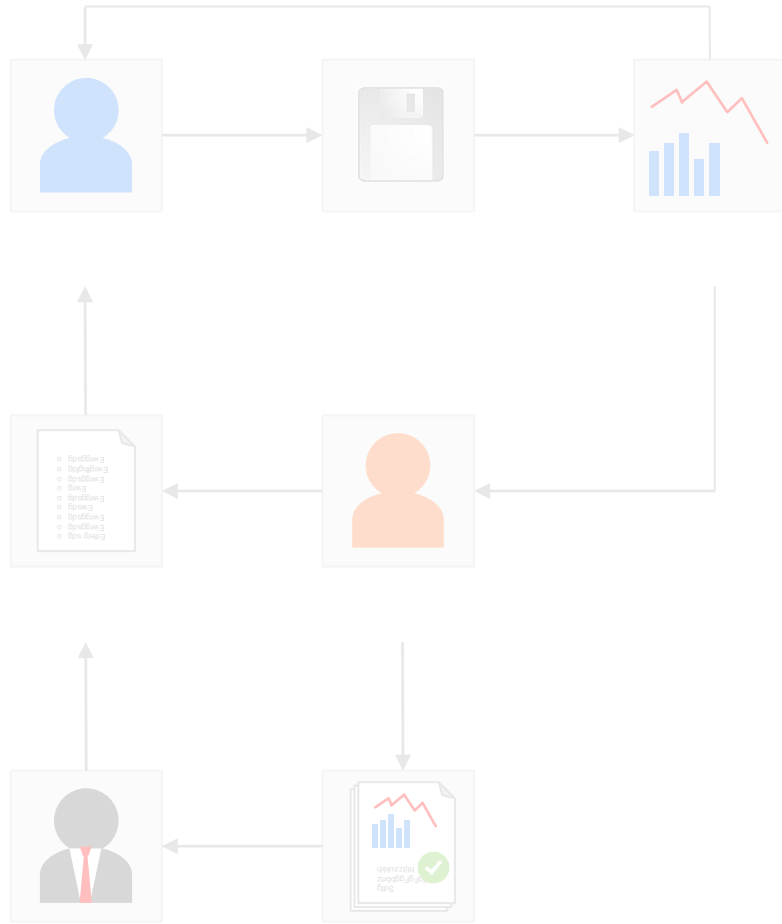
 Findings: 1

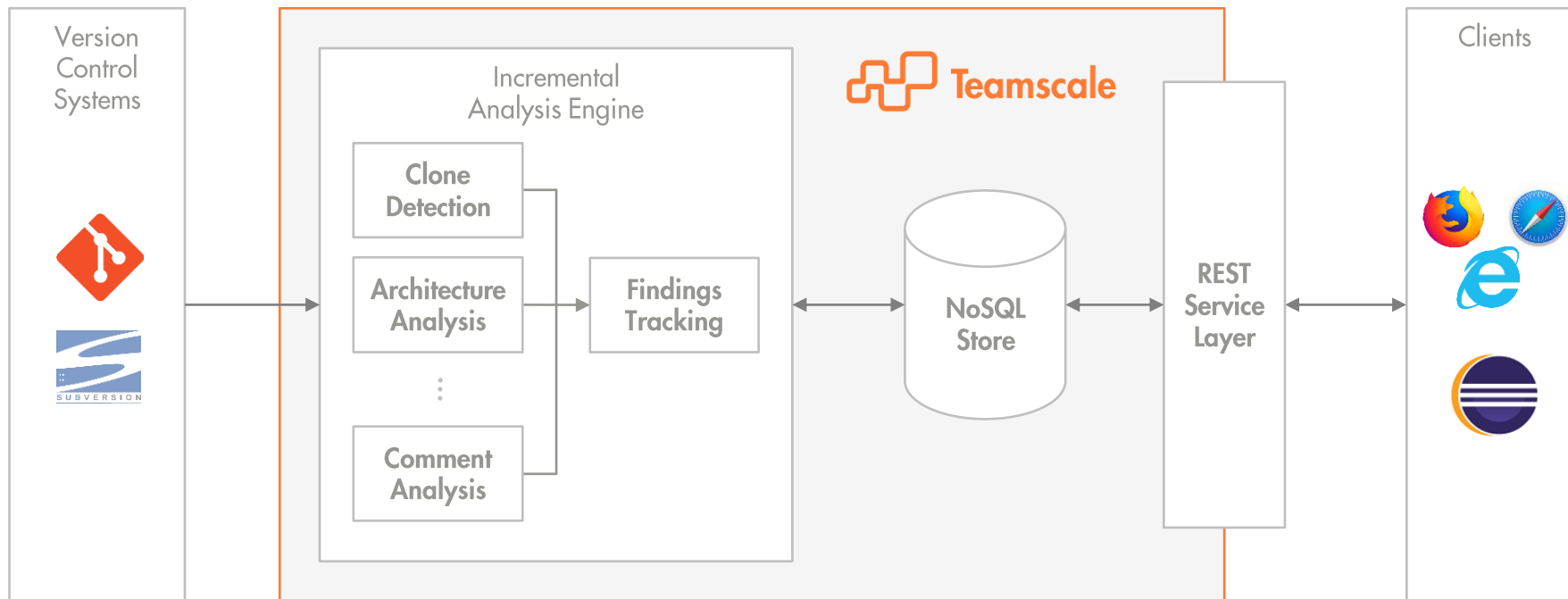
Mar 13 2018

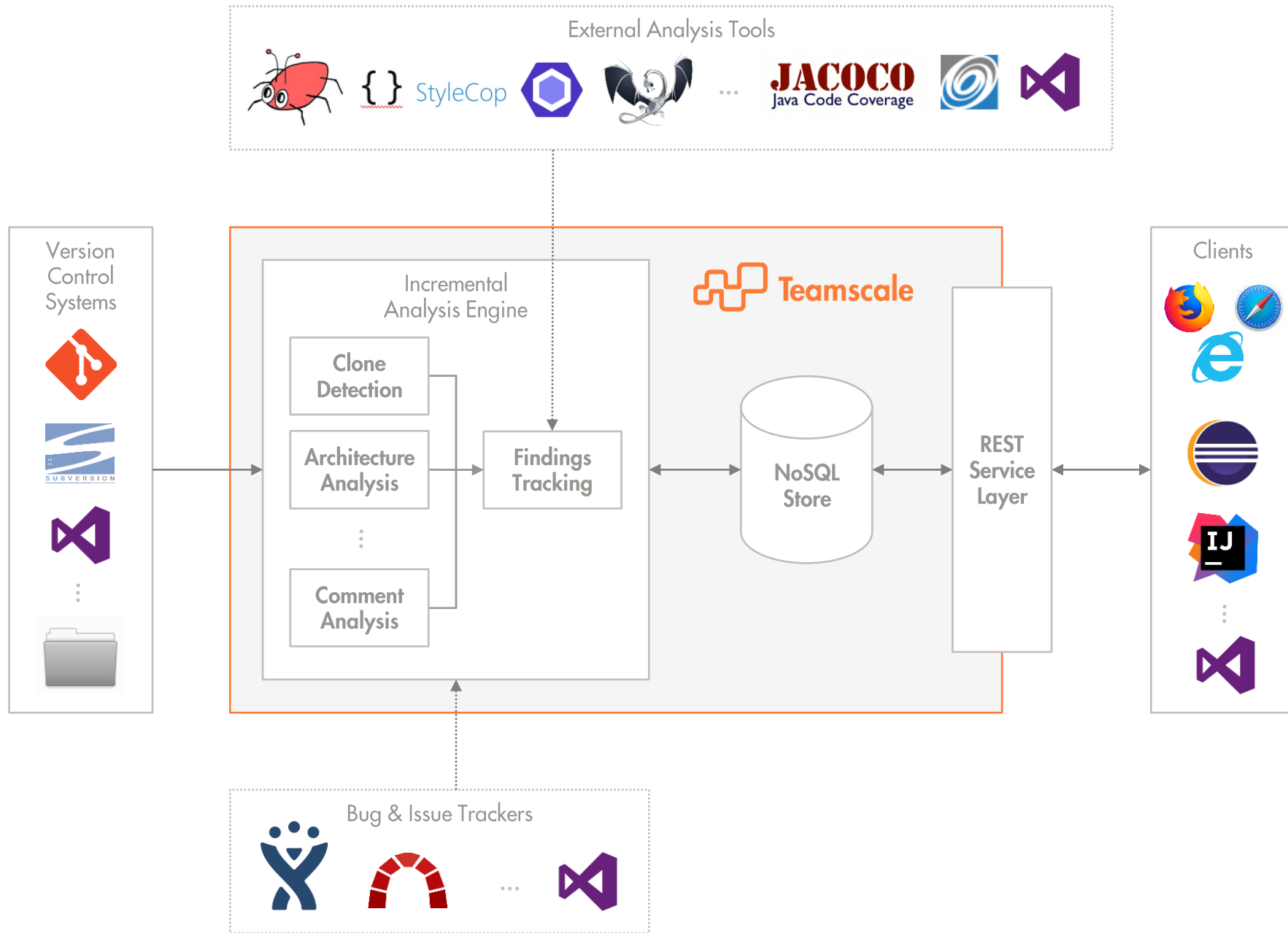
13:28

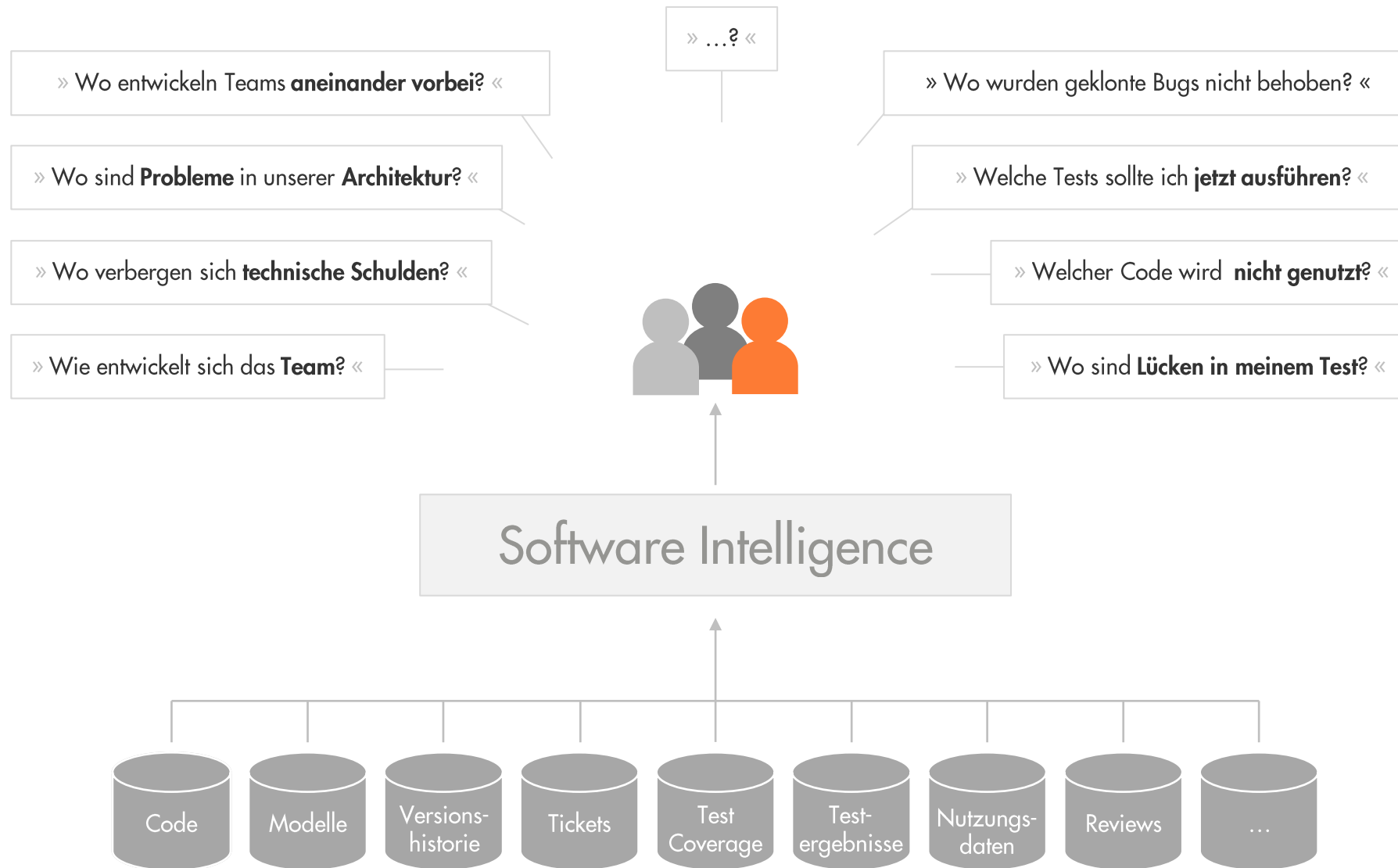


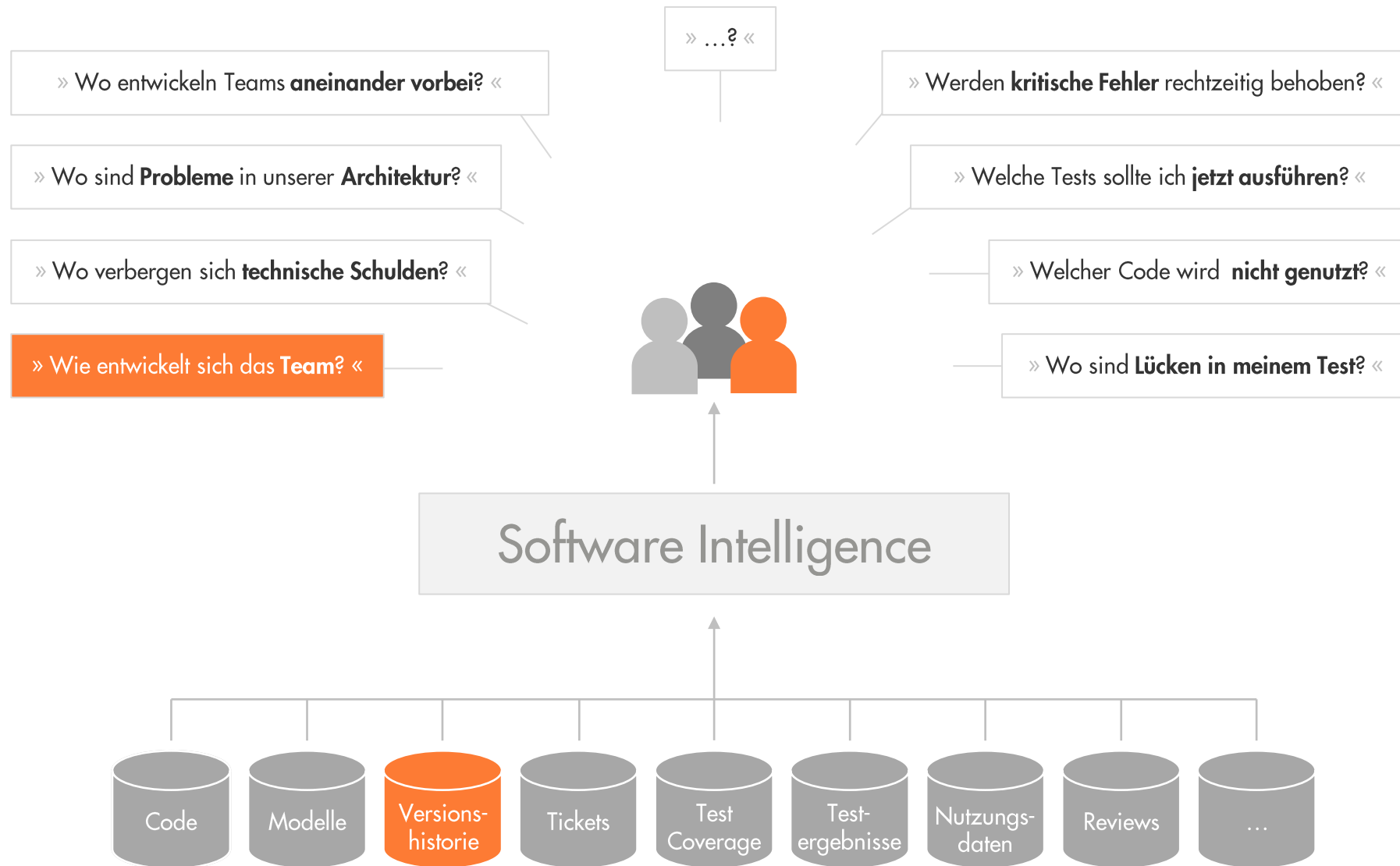










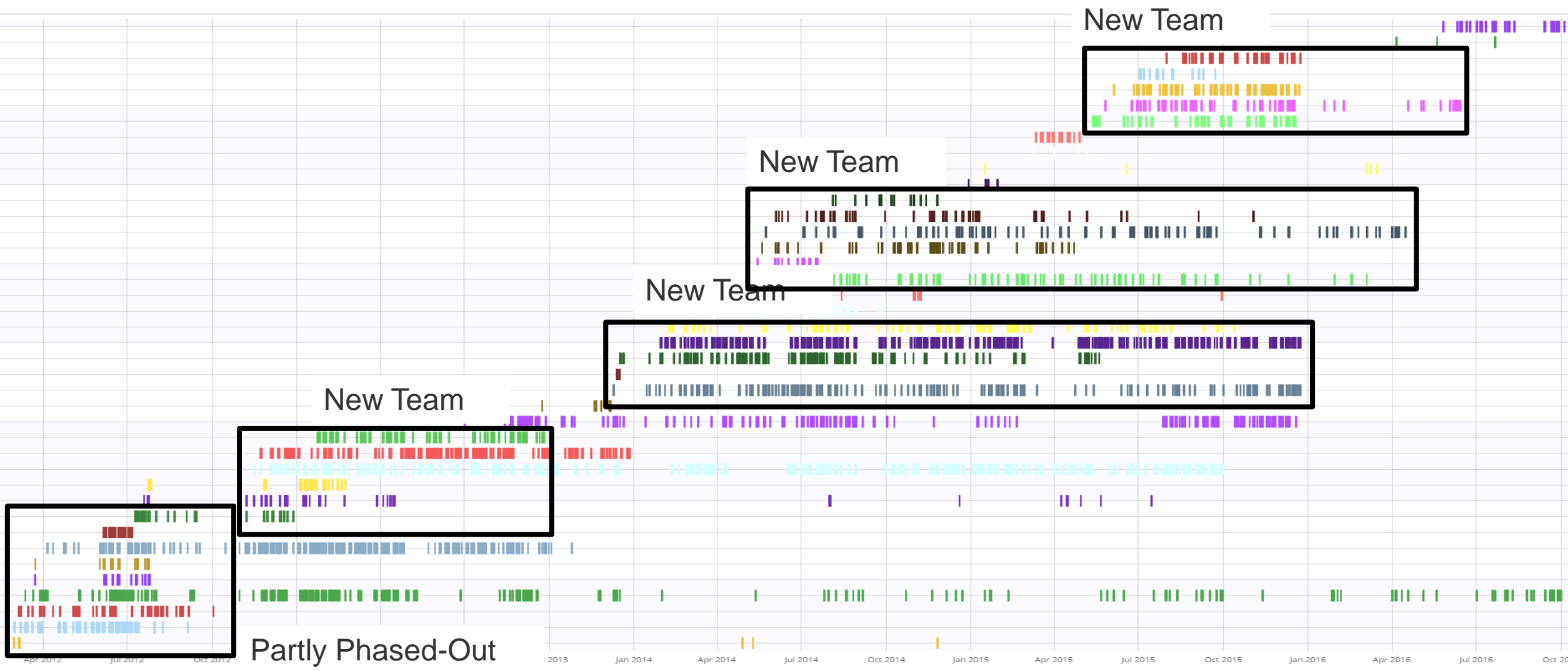




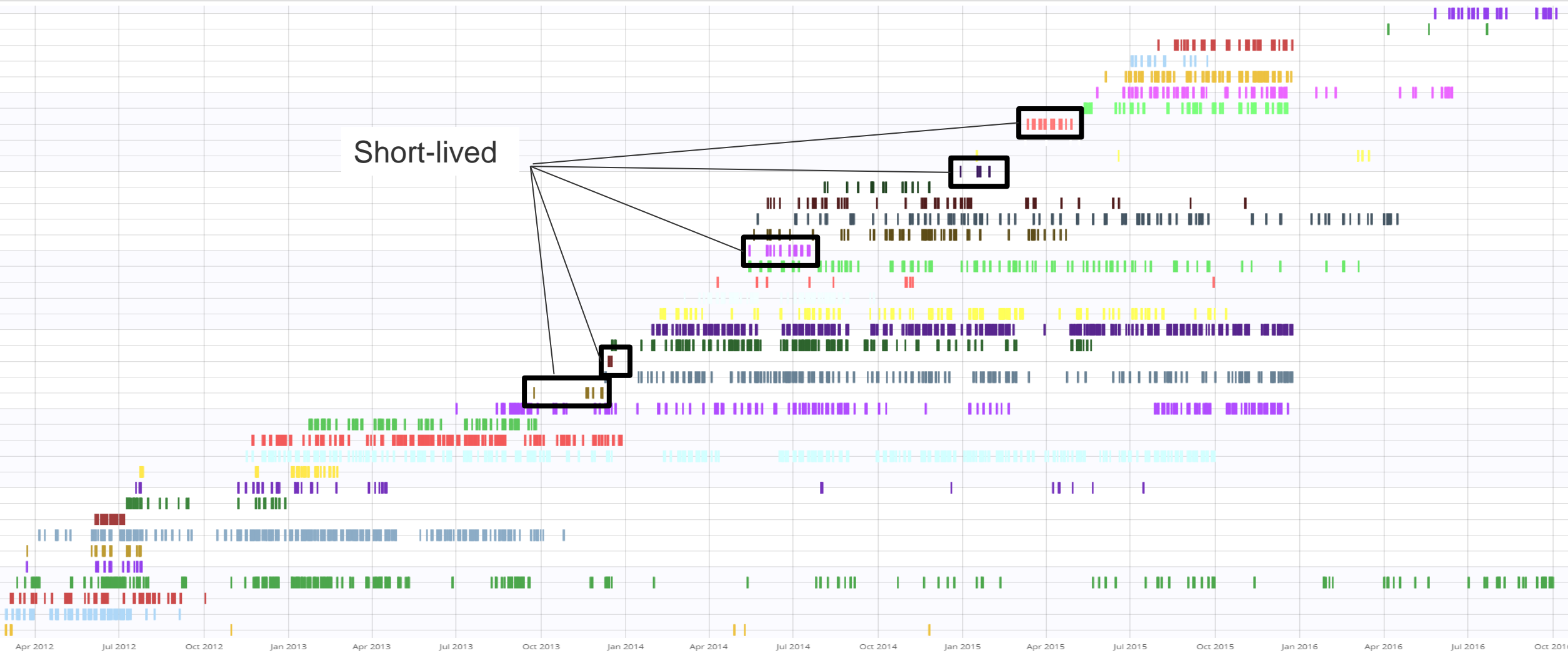
Phase-In
aborted

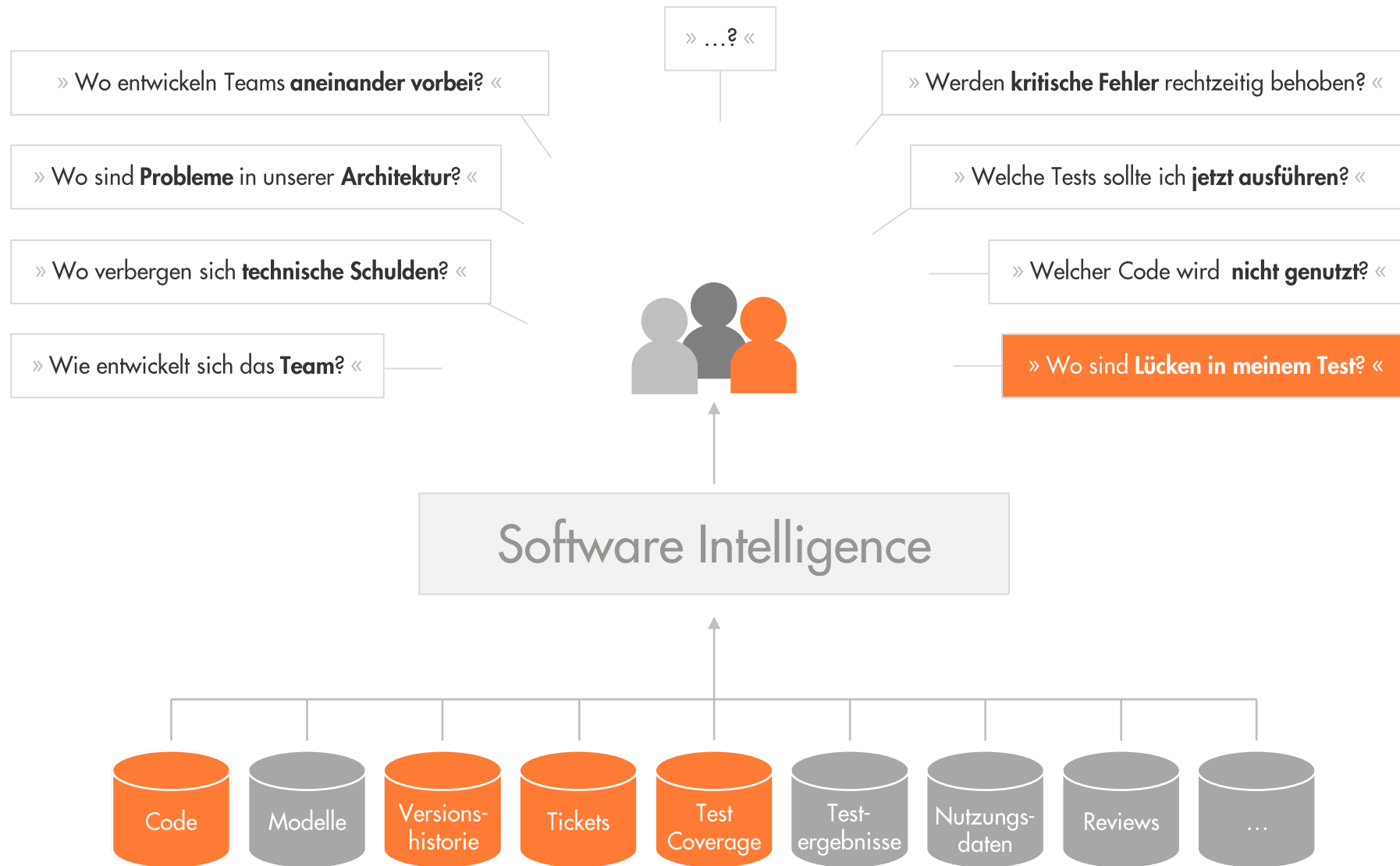
New Team

Knowledge-Transfer

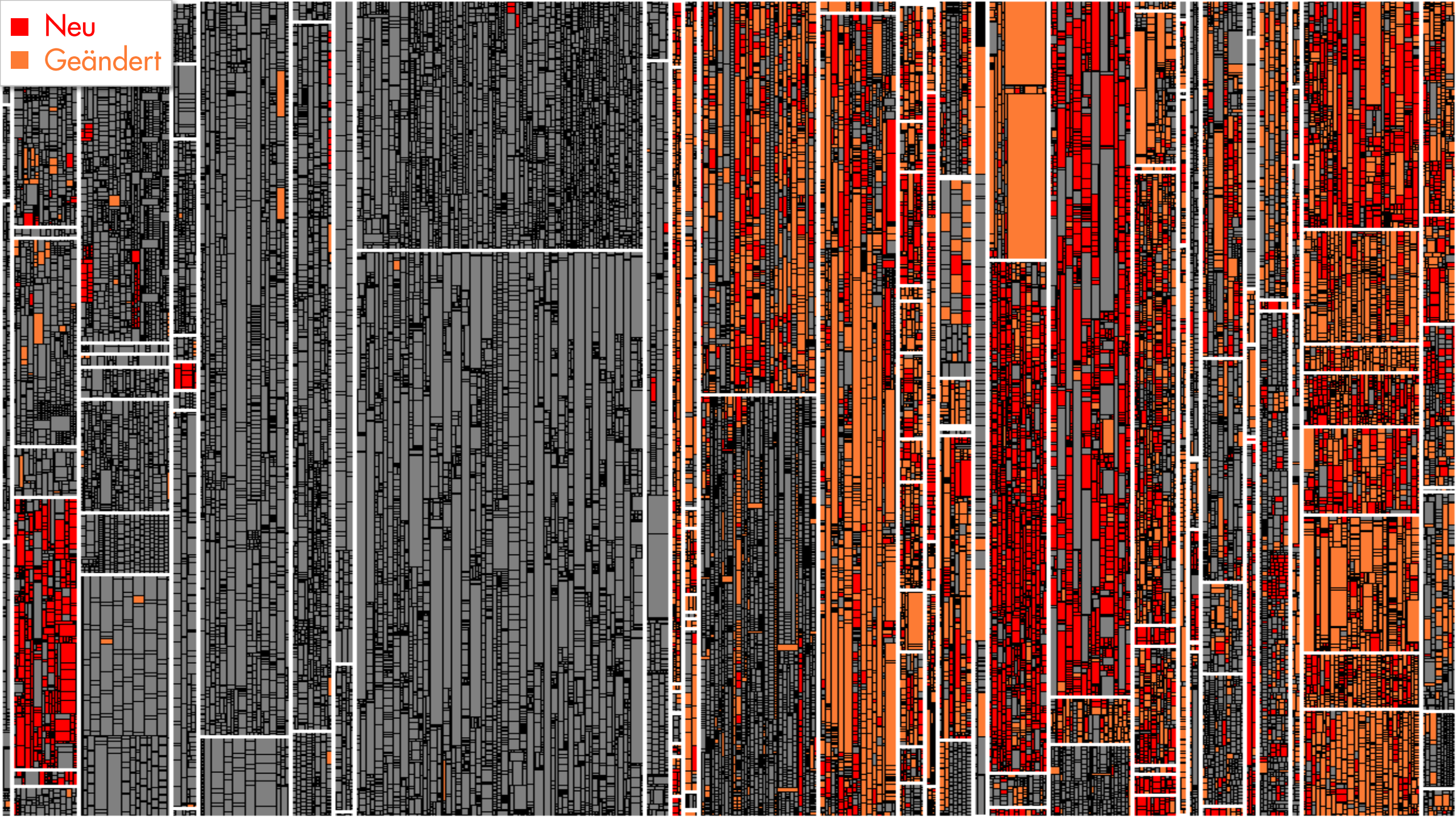


Short-lived

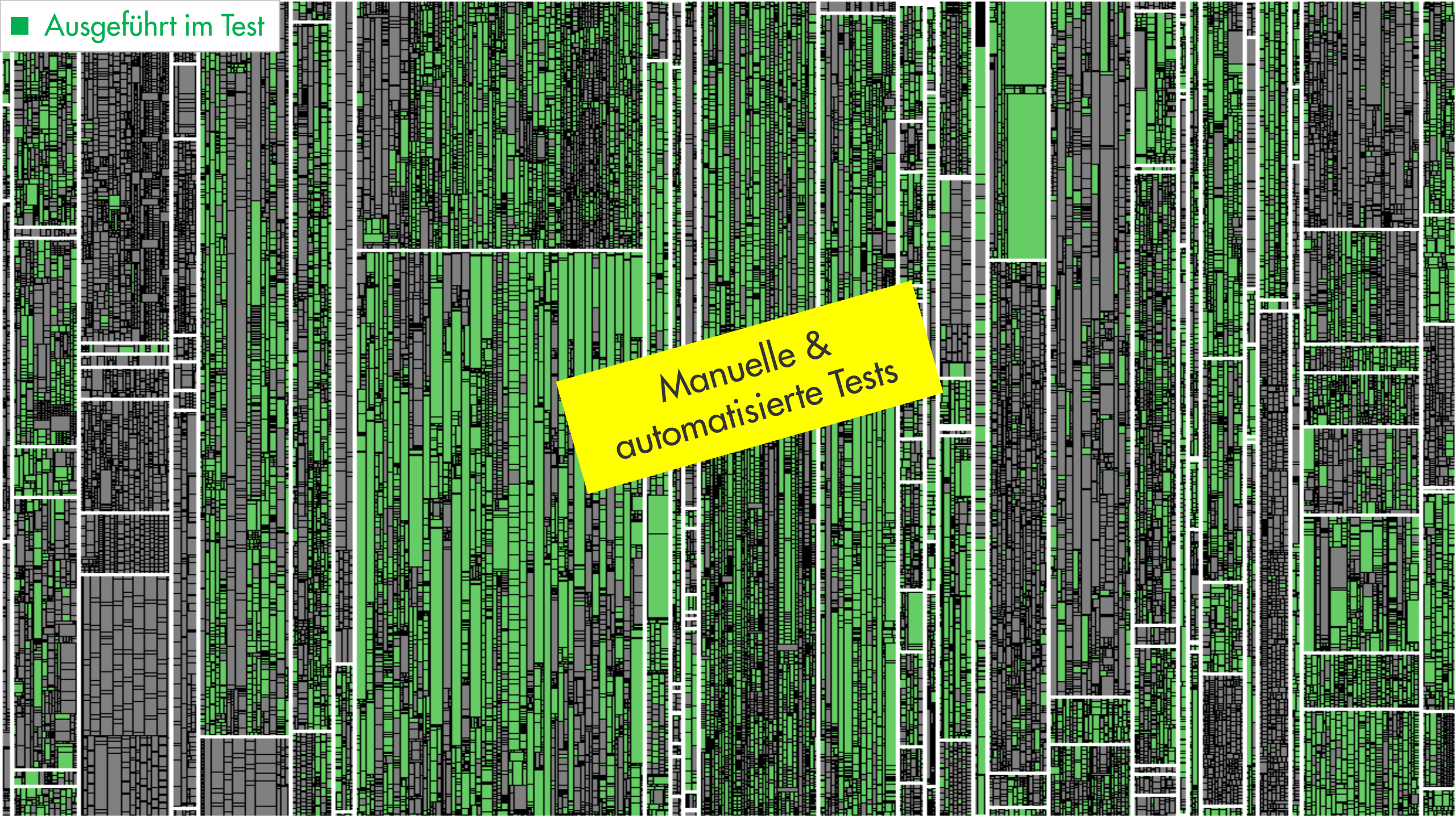




■ Neu
■ Geändert

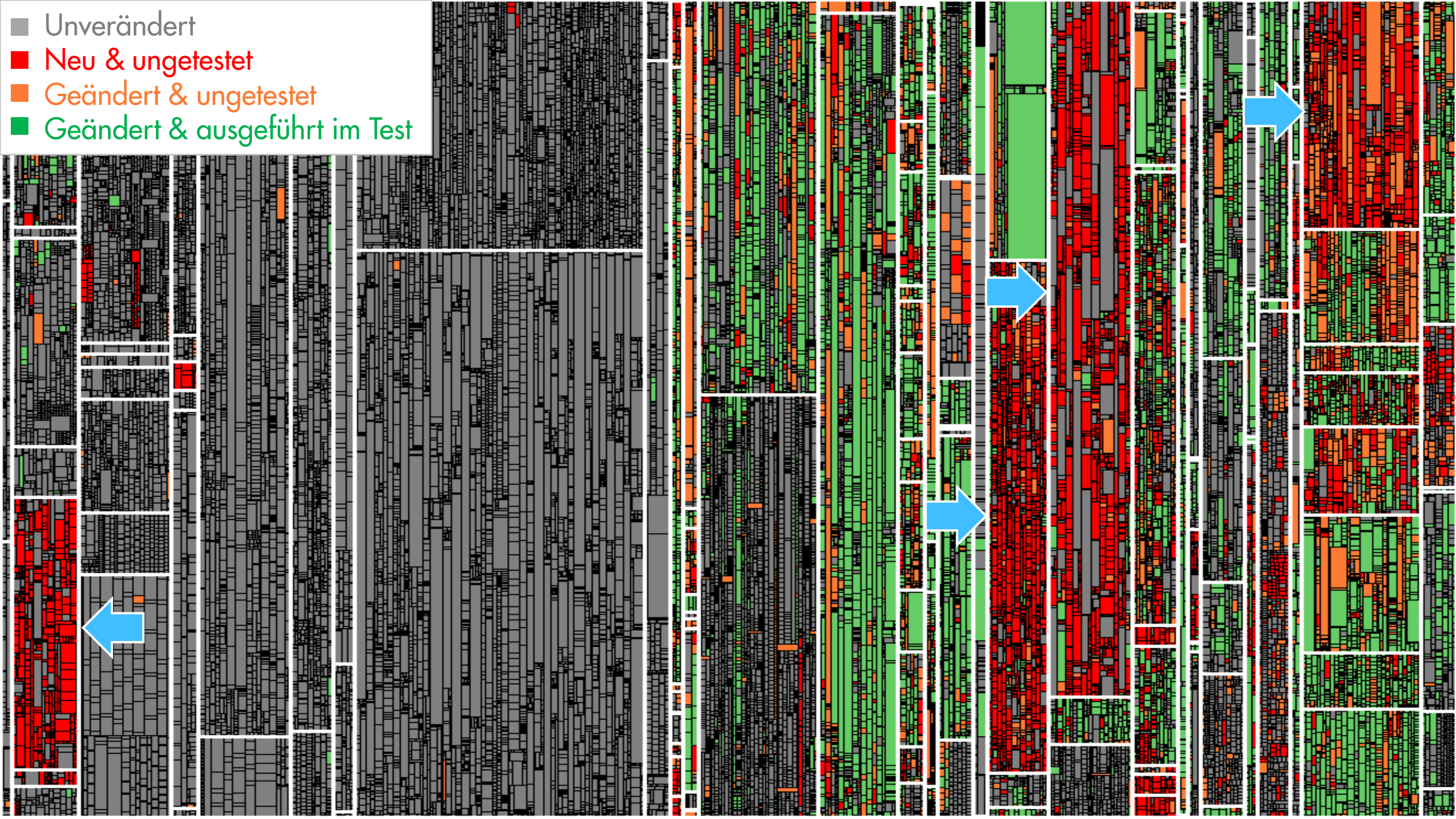


■ Ausgeführt im Test

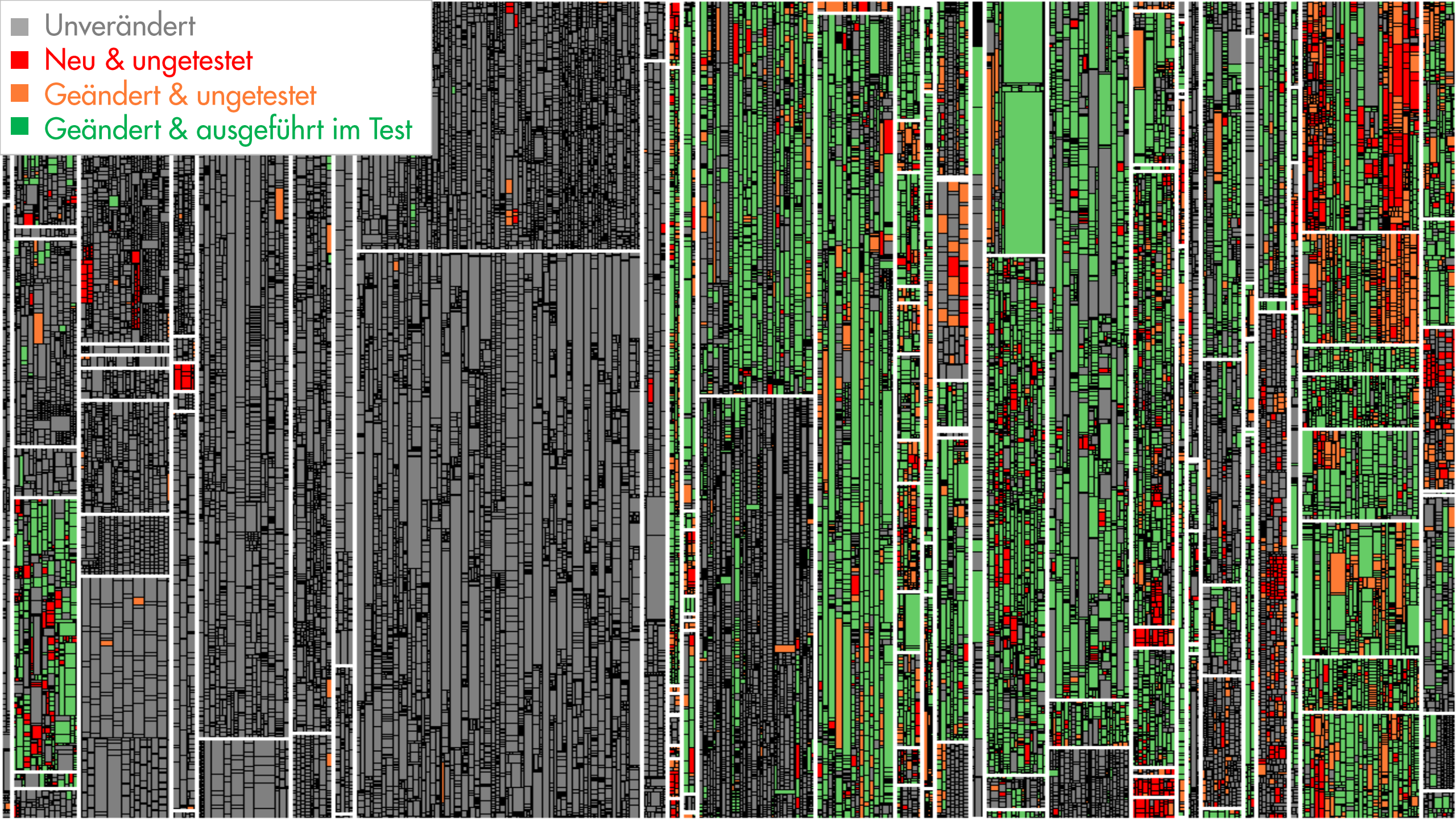


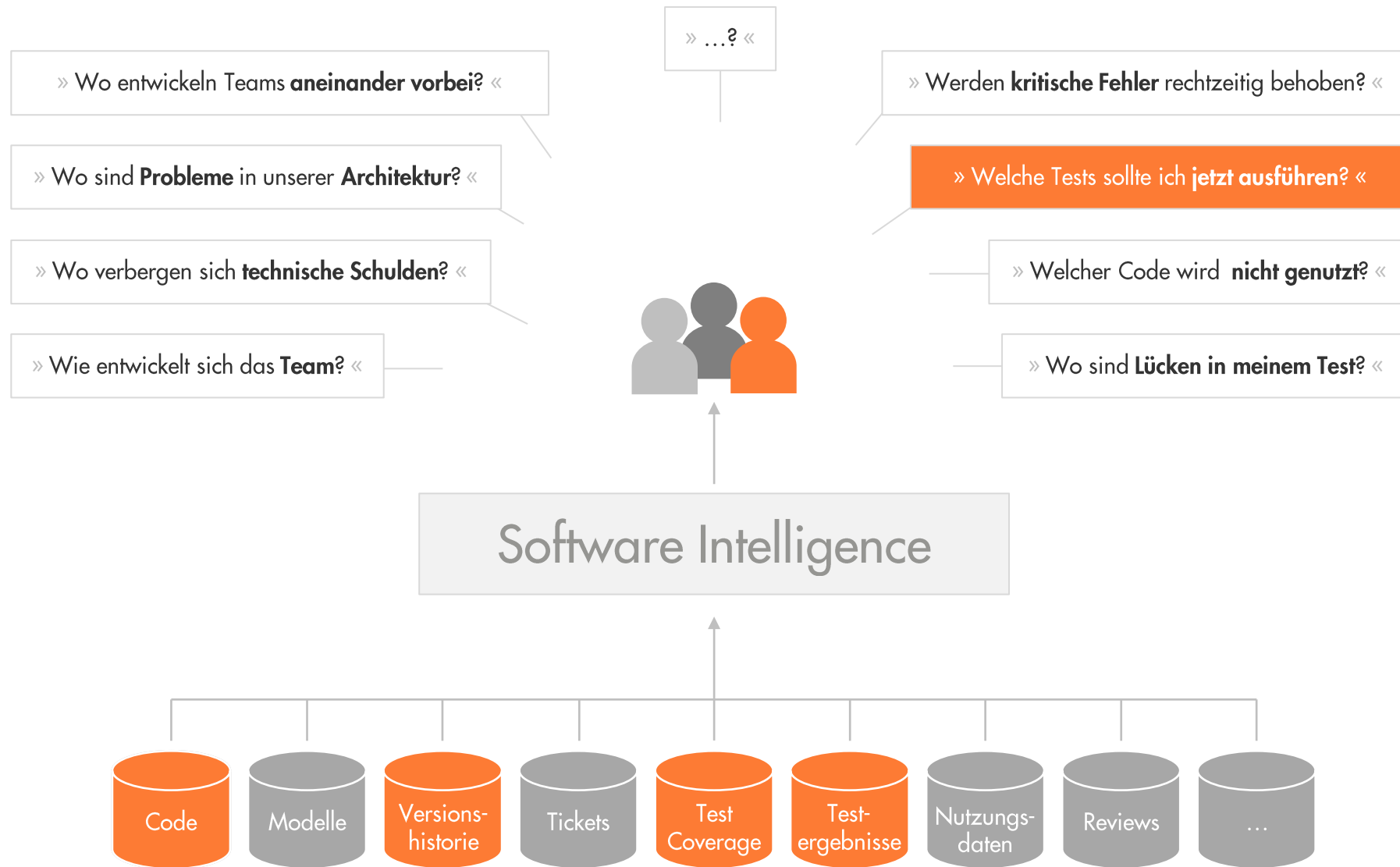
Manuelle & automatisierte Tests

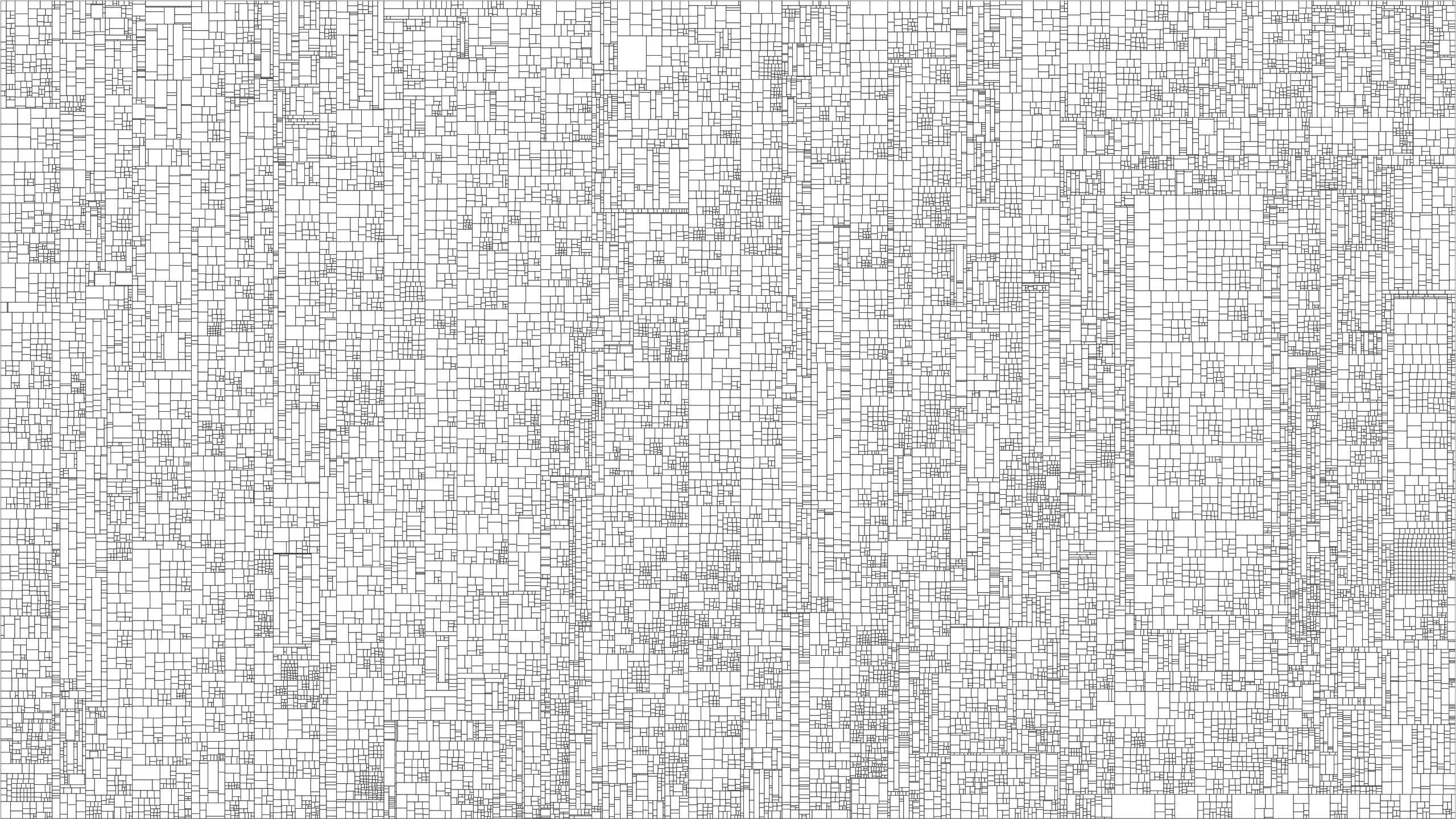
- Unverändert
- Neu & ungetestet
- Geändert & ungetestet
- Geändert & ausgeführt im Test



- Unverändert
- Neu & ungetestet
- Geändert & ungetestet
- Geändert & ausgeführt im Test









Data Flow Analysis can not handle java lambdas (logs many errors currently)

- Edit
- Comment
- Assign
- More ▾
- Back to New



Details

Type:	■ Bug	Status:	DONE (View Workflow)
Priority:	↑ High	Resolution:	Green
Component/s:	Backend	Fix Version/s:	Teamscale 4.3
Labels:	dataflow java		
Affected Version:	master		
Merge Request:	https://git.cqse.eu/cqse/teamscale/merge_requests/2734		
PDash Task:	#4886		

People

Assignee:	Andreas Sewe Assign to me
Reporter:	Rainer Niedermayr
QA-Contact:	Alexander von Rhein
Votes:	2 Vote for this issue
Watchers:	3 Start watching this issue

Description

Analysis profile: Java
 Repository: JabRef, start revision 9efd23b71871747fe5e18e915e637891d7e55b6d

```

ERROR : An error occurred while trying to construct a CFG for function 'null' in element src/main/java/net/sf/jabref/exporter/layout/format/DOI
[STATEMENT: lambda expression: null (lines 33-33)
]
Tokens: doi . getURL ( )
Occurred in src/main/java/net/sf/jabref/exporter/layout/format/DOICheck.java:32-32 (com.teamscale.index.dataflow.DataFlowFindingsSynchronizer.c
org.conqat.engine.core.core.ConQATException: Could not find any rule that applies to the following entity list:
[STATEMENT: lambda expression: null (lines 33-33)
]
Tokens: doi . getURL ( )
Occurred in src/main/java/net/sf/jabref/exporter/layout/format/DOICheck.java:32-32
    at org.conqat.engine.sourcecode.dataflow.heuristics.ControlFlowCreator.findApplicableRule(ControlFlowCreator.java:164)
    at org.conqat.engine.sourcecode.dataflow.heuristics.ControlFlowCreator.transformOneStep(ControlFlowCreator.java:139)
    at org.conqat.engine.sourcecode.dataflow.heuristics.ControlFlowCreator.transform(ControlFlowCreator.java:92)

[...]

ERROR : An error occurred while trying to construct a CFG for function 'null' in element src/main/java/net/sf/jabref/exporter/layout/format/DOI
[STATEMENT: lambda expression: null (lines 31-31)
]
Tokens: doi . getDOI ( )
Occurred in src/main/java/net/sf/jabref/exporter/layout/format/DOIStrip.java:30-30 (com.teamscale.index.dataflow.DataFlowFindingsSynchronizer.c
org.conqat.engine.core.core.ConQATException: Could not find any rule that applies to the following entity list:
  
```

Dates

Created:	24/Nov/16 8:35 AM
Updated:	4 days ago
Resolved:	08/May/18 12:42 PM

Time Tracking

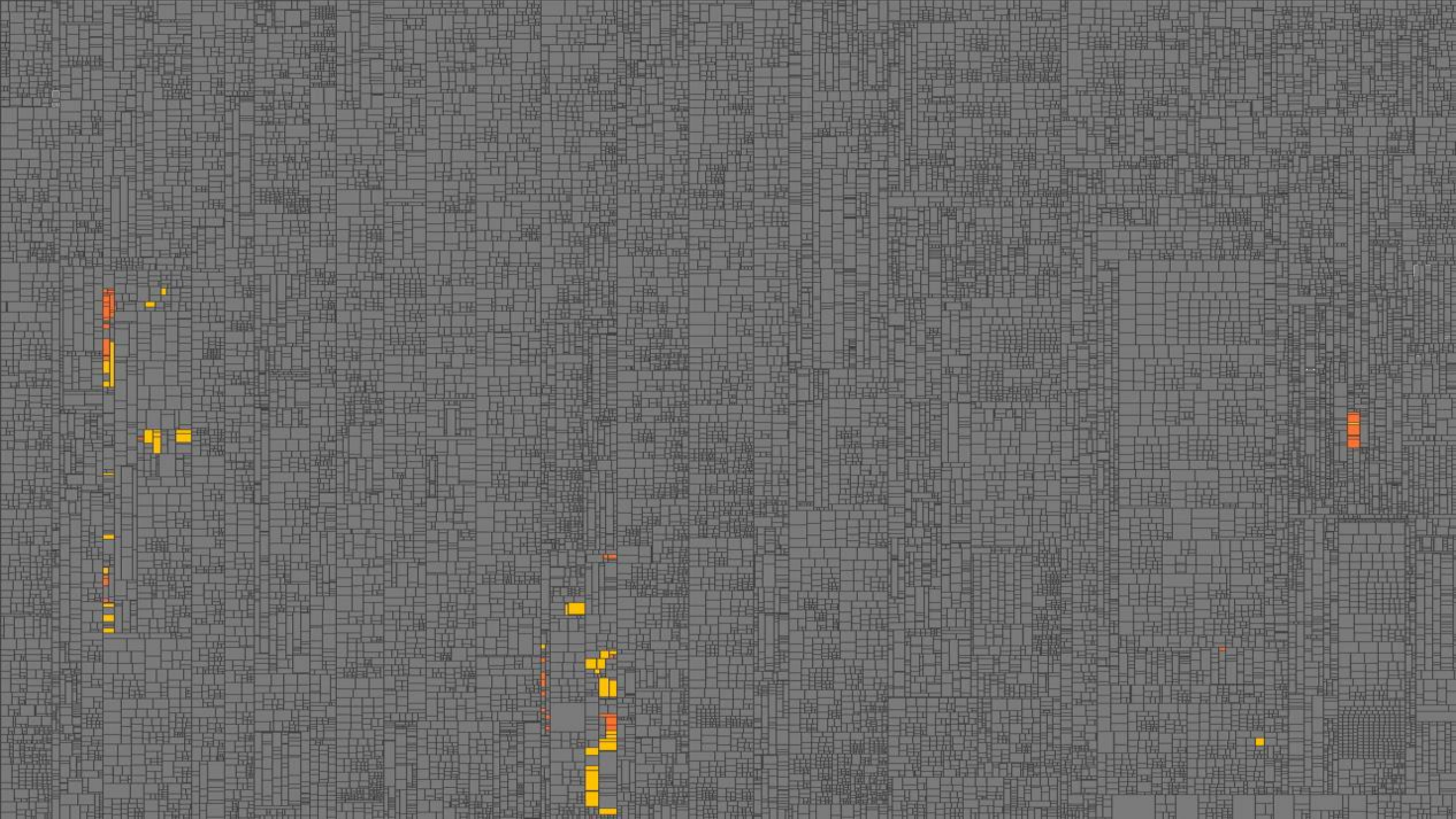
Estimated:	<div style="width: 100%; height: 10px; background-color: #ccc;"></div> Not Specified
Remaining:	<div style="width: 100%; height: 10px; background-color: #ccc;"></div> 0m
Logged:	<div style="width: 100%; height: 10px; background-color: #4CAF50;"></div> 4d 1h 57m

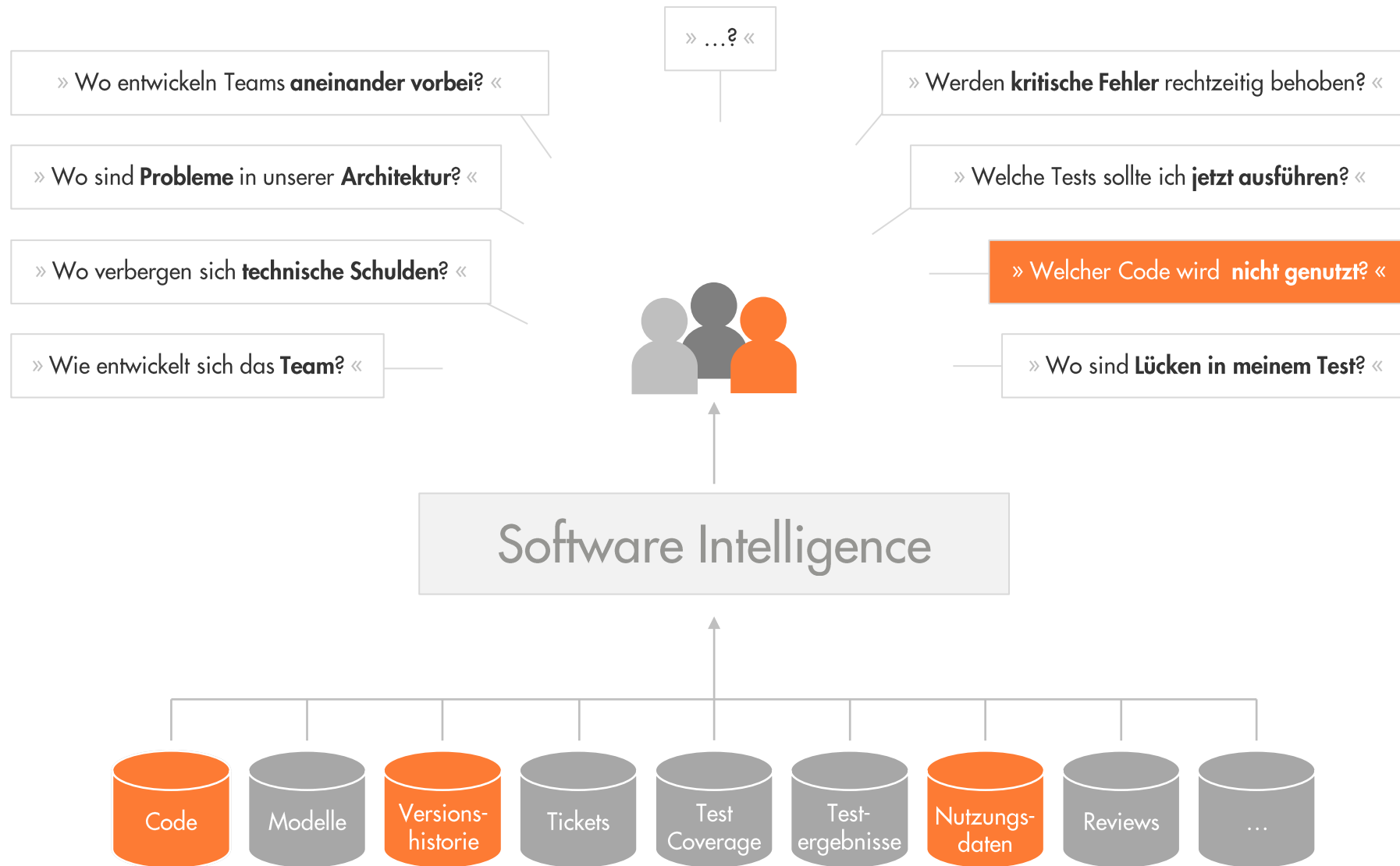
Agile

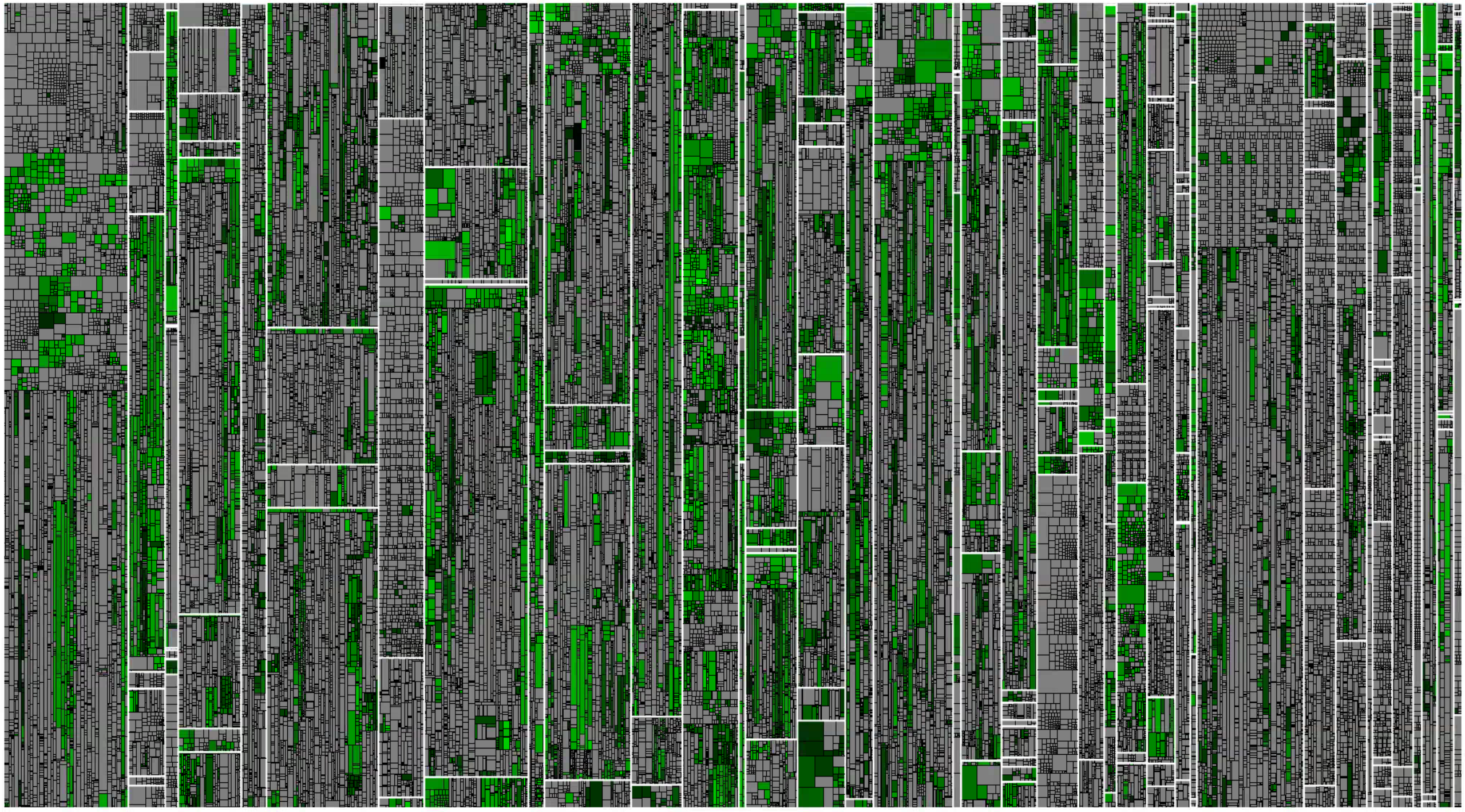
[View on Board](#)

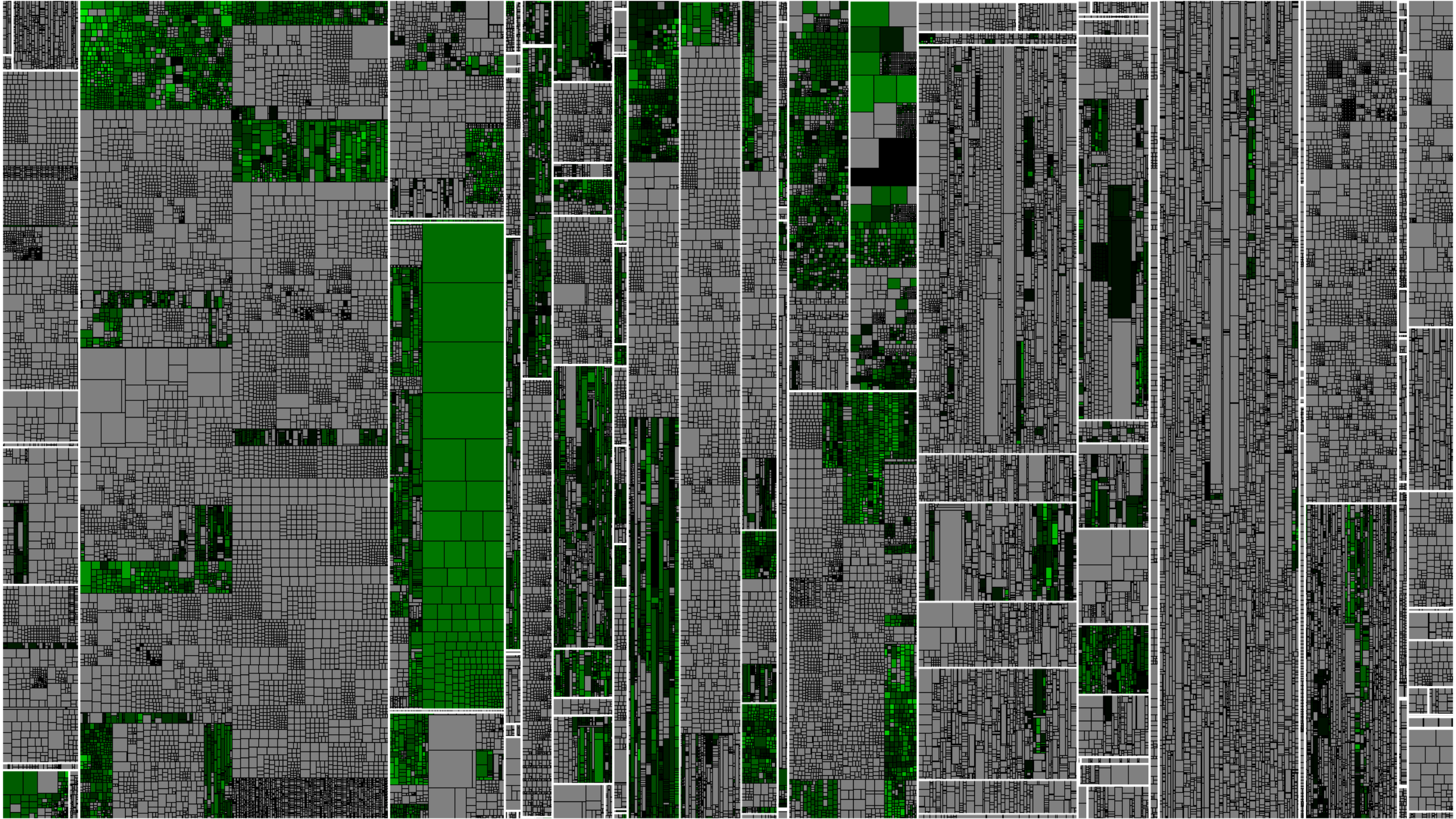
Gitlab CI

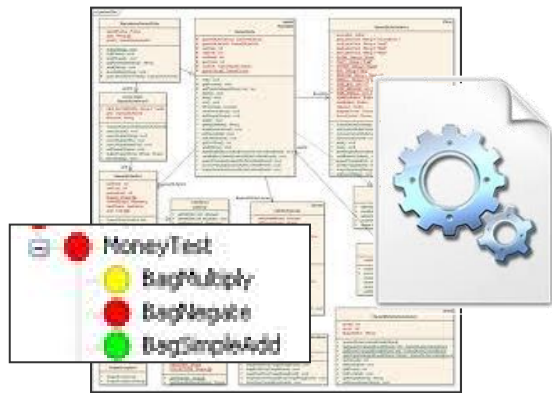
Projects ▾
More ▾
⋮



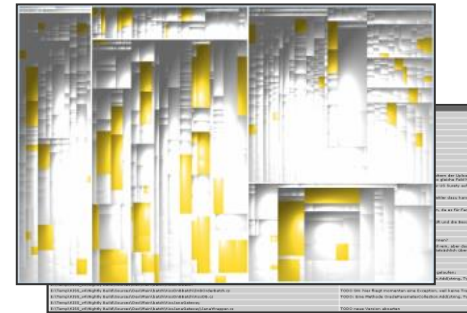


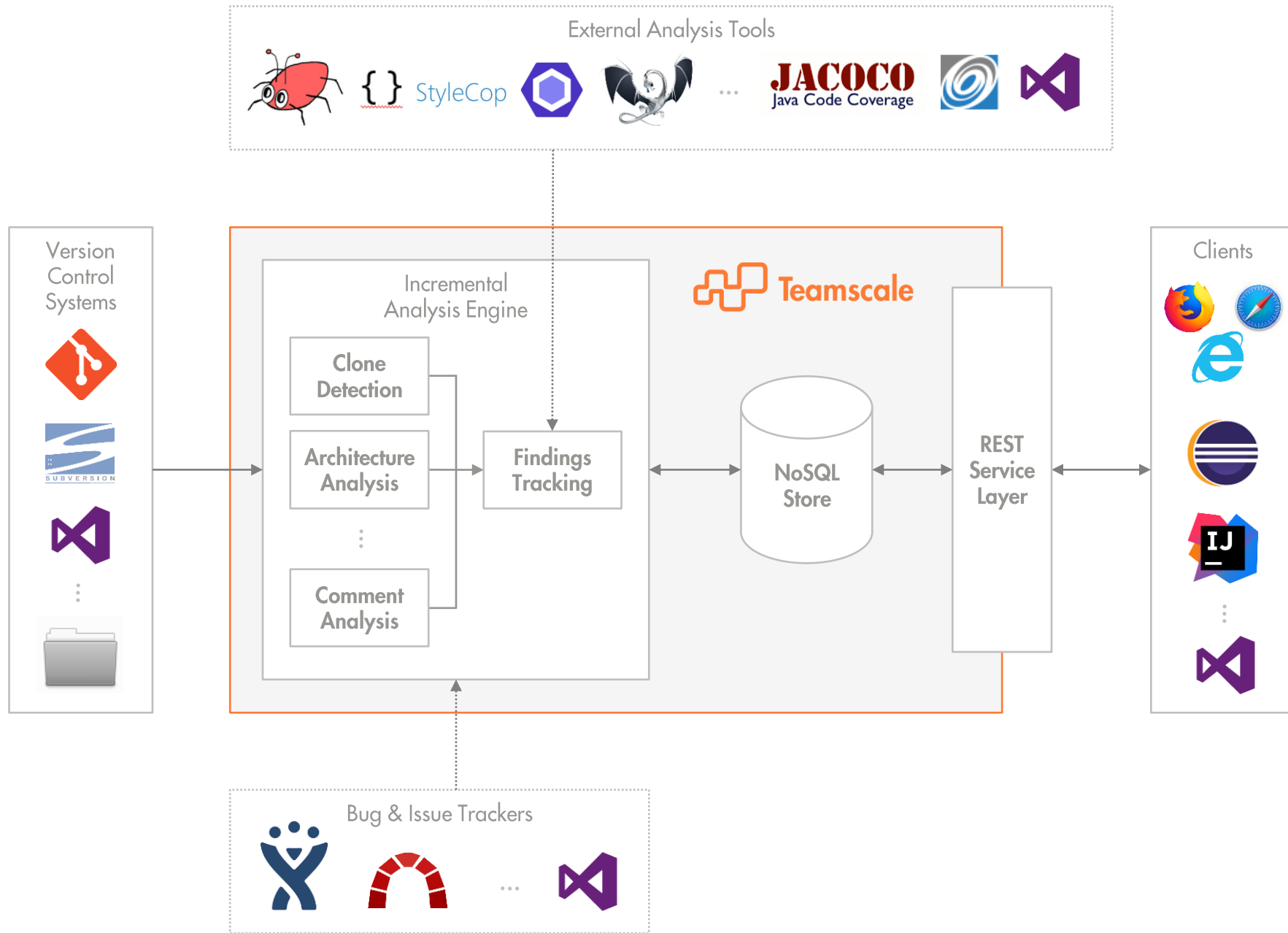


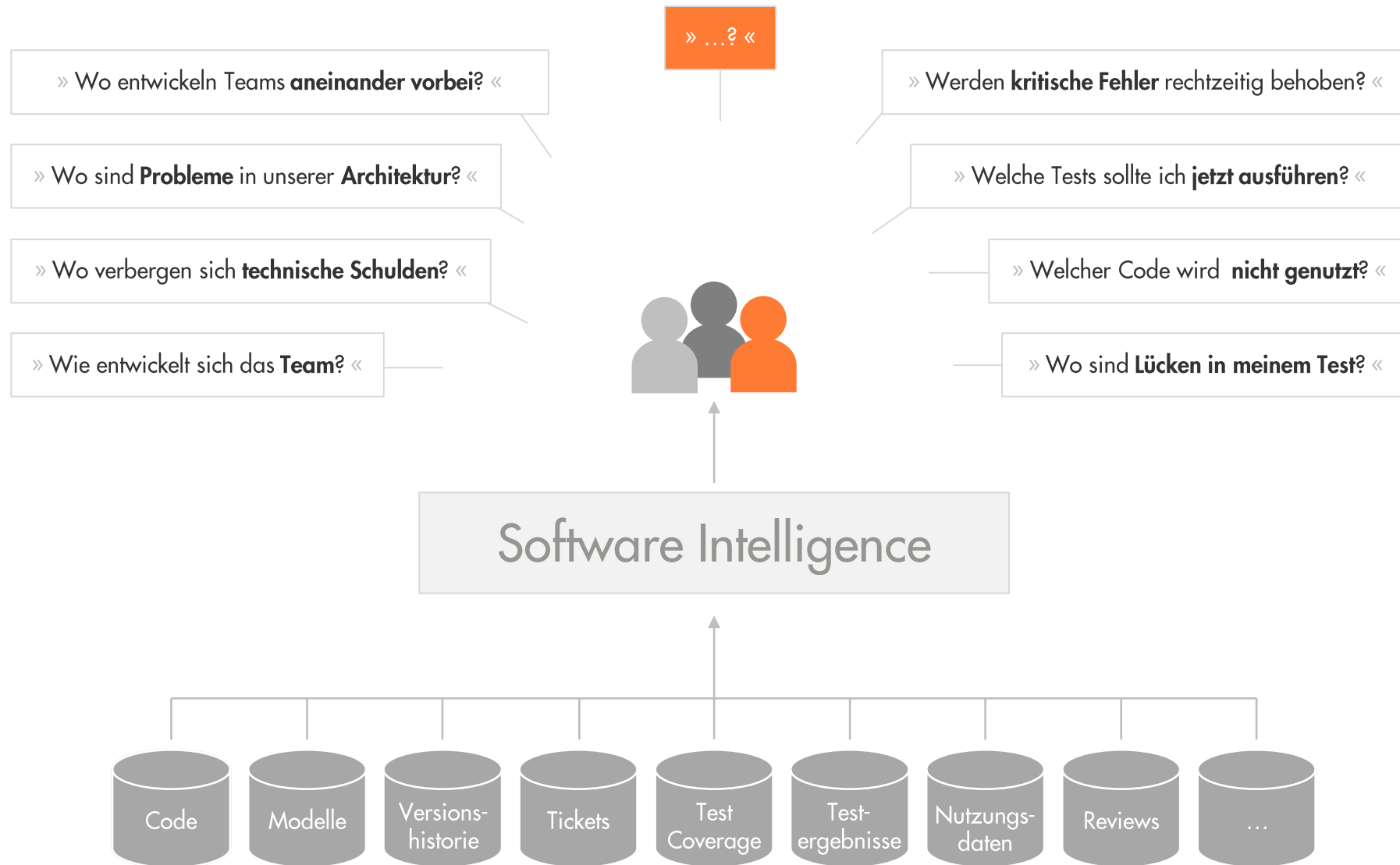




conQAT







Teamscale ist frei für Open Source, Forschung
& Lehre 😊: juergens@cqse.eu

Google Meet - apr-zwcp-... x +
meet.google.com/apr-zwcp-...?authuser=1

...und der Rest
des Teams
natürlich auch!

CQSE im Homeoffice

Bildschirm teilen

Kontakt – Ich freue mich auf Diskussionen 😊



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