Open Diabetes UAM Heuristik Algorithmen

Qualitätssicherungsdokument

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1 Einleitung

Das sogenannte Un-Announced-Meal-Problem (UAM) ist derzeit eine der größten Therapieschwächen bei der Behandlung von Diabetes Mellitus Typ 1[1] und beschreibt die Mahlzeiten, welche vom Patienten nicht berücksichtigt wurden und somit den Blutzuckerspiegel unkontrolliert steigen lassen. Denn bei Diabetespatienten produziert der Körper kaum bis gar kein eigenes Insulin, welches den Blutzuckerpegel reguliert. Das Insulin muss manuell verabreicht werden. Neben der Grundversorgung wird zusätzlich auch eine zu jeder Mahlzeit präzise berechnete Insulindosis benötigt, um den Blutzuckerspiegel innerhalb akzeptabler Grenzwerte zu halten. Extrem hohe oder niedrige Blutzuckerwerte können akute schwerwiegende und sogar tödliche Folgen haben. Befindet sich der Blutzuckerspiegel regelmäßig und über längere Zeiträume außerhalb der Normalwerten, kann dies auch zu schweren Langzeitschäden führen.

Um in Zukunft ein voll automatisches System mit Messgerät und Insulinpumpe zu ermöglichen, welches die Insulinversorgung des Patienten übernimmt, wird eine Möglichkeit benötigt, Mahlzeiten verlässlich zu erkennen. Bisherige Systeme können mit der Problematik von unangekündigten Mahlzeiten nicht umgehen, wenn eine Mahlzeit vom Patienten vergessen oder zu gering eingeschätzt wurde. Das dadurch fehlende Insulin wird bestenfalls allmählich mit dem steigendem Blutzuckerspiegel verabreicht, was allerdings zu spät ist, um hohe Werte zu verhindern. In solchen Situationen kann es zu einer lebensbedrohlichen Überkorrektur kommen.

Das Ziel unseres Projekts ist es anhand des steigenden Blutzuckers mit wenigen Messwerten eine Mahlzeit präzise zu berechnen, damit die adäquate Menge an Insulin schon frühzeitig injiziert werden kann. Dazu bauen wir auf dem Open Source Projekt Nightscout[2] auf, welches der Visualisierung von gemessenen Blutzuckerwerten dient. Die Messungen werden alle fünf Minuten von einem Sensor unter der Haut durchgeführt. Über die Cloud werden sie in einer Datenbank gespeichert und können auf jedem internetfähigen Gerät abgerufen werden. Zusätzlich werden Insulindosierungen und bekannte Mahlzeiten als Events kenntlich gemacht. Unser Programm bezieht diese Messwerte und Events aus der Datenbank und startet einen Algorithmus zur Berechnung von Mahlzeiten. Da es keine bekannte optimale Methode gibt, um Mahlzeiten zu erkennen, implementieren wir unterschiedliche Ansätze, aus denen gewählt werden kann. Diese Ansätze beruhen auf verschiedenen wissenschaftlichen Publikationen, welche die Auswirkungen von Kohlenhydraten und Insulin auf den Blutzuckerspiegel mathematisch beschreiben. Wir benutzen diese Modelle um von den gemessenen Blutzuckerwerten und bekannten Insulinbehandlungen auf Kohlenhydraten, also Mahlzeiten, zurück zu schließen. Die berechneten Mahlzeiten werden dann als neue Events in Nightscout eingetragen und je nach Ansatz auch im weiteren Verlauf berücksichtigt.

Es ist nicht sicher, ob sich das UAM-Problem mit dem aktuellen Sachverstand der Wissenschaft zuverlässig lösen lässt. Unsere Ansätze können höchstens so gut sein, wie die Modelle, die uns zur Verfügung stehen. Unser Projekt dient also als Plausibilitätsprüfung, ob sich das UAM-Problem zurzeit realistisch lösen lässt. Wir werden unsere Algorithmen, wenn sie sich als verlässlich erweisen, der Nightscout Community zur Verfügung stellen.

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[1]   Diabetes Typ 2 fällt nicht unter das UAM-Problem, da es sich dabei lediglich um eine Insulinresistenz handelt. Eine nicht erkannte Mahlzeit stellt also ein geringeres Risiko dar und die Krankheitsbilder lassen sich auch nicht direkt vergleichen.

[2]   http://www.nightscout.info

2 Qualitätsziele

2.1 Korrektheit

2.1.1 Beschreibung

Unser wichtigstes QS-Ziel ist die Korrektheit. Dabei liegt das Hauptaugenmerk neben der Erzeugung von korrekten Daten auch darauf, Fehler und Fehlerquellen korrekt zu erkennen. Wenn die zur Verfügung stehenden Daten zur Berechnung einer Mahlzeit nicht ausreichen oder sonstige Probleme auftreten, muss der Benutzer darüber in Kenntnis gesetzt werden und es dürfen keine potentiell falschen Ergebnisse produziert werden. Diabetespatienten, die unsere Algorithmen verwenden werden, vertrauen darauf, dass unser Ansatz korrekte Werte zurück gibt und Mahlzeiten richtig erkannt werden. Da ein zu hoher oder zu niedriger Insulinwert, wie bereits erläutert, schwere körperliche Langzeitfolgen haben oder sogar akut lebensbedrohlich sein kann, ist es offensichtlich, weshalb hier keine Fehler passieren dürfen.

2.1.2 Maßnahmen

Wir wollen die Korrektheit durch die die Nutzung von automatischen Coverity Scans[1] und dem Continuous Integration Tool Travis CI[2] erreichen. Travis CI kann kostenlos genutzt werden, da wir an einem Open-Source-Projekt arbeiten, welches auf GitHub[3] veröffentlicht wird.

Travis CI kompiliert die Software und überprüft automatisch alle implementierten Tests und meldet zurück, ob diese erfolgreich abgeschlossen wurden.

Coverity Scans analysieren den Code auf Race Conditions und Speicherlecks, bei denen zwar Arbeitsspeicher belegt, allerdings weder genutzt, noch frei gegeben wird.

Wir verwenden mehrere Branches für zu entwickelnde Features und einen Master Branch, auf dem immer eine lauffähige Version liegt. Auf dem Master Branch kann nicht direkt gepusht werden, nur über die Feature Branches. Es sind Pull-Request-Reviews und Status Checks nötig, um auf den Master Branch zu schreiben. Diese Status Checks beinhalten das erfolgreiche Kompilieren des Codes durch Travis CI und den erfolgreichen Durchlauf aller Tests. Erst im Anschluss können Pull-Requests akzeptiert werden. Wenn mindestens eine andere Person den Pull-Request überprüft und akzeptiert hat, wird der Branch gemerged. Git führt einen Verlauf, wer den Pull-Request-Review freigegeben hat. Es wird somit immer protokolliert, wer Korrektur gelesen hat. Dieses Protokoll wird im Anhang zur Verfügung gestellt.

2.1.3 Prozessbeschreibung

In GitHub gibt es einen Master Branch. Entwickelt wird ausschließlich in sogenannten Feature Branches. Für jedes Feature bzw. jede Feature-Gruppe wird ein eigener Branch erstellt. Nach

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[1] https://scan.coverity.com
[2] https://travis-ci.org
[3] http://github.com/TUDa-BP-11/opendiabetes-uam-heuristik

Abschluss des Features und der Iterationszyklen wird ein Pull-Request erstellt. Mindestens eine andere Person im Projekt kontrolliert die Änderungen im Pull-Request, bevor dieser akzeptiert wird. Werden Mängel oder Probleme entdeckt, löst diese die Person, die den Pull-Request erstellt hat. Dies soll innerhalb der nächsten drei Tage geschehen und darf maximal auf sieben Tage verlängert werden. Sollte nach dieser Zeit noch keine Lösung gefunden werden, wir dies beim nächsten Auftraggebertreffen besprochen. Treten dabei Probleme oder Schwierigkeiten auf, wird die Hilfe der Teammitglieder in Anspruch genommen. Danach werden die Änderungen erneut von mindestens einer anderen Person kontrolliert, bis keine Mängel mehr gefunden werden und der Branch in den Master Branch gemerged werden kann.

Travis CI wird automatisch bei jedem Git-Commit ausgeführt. Dafür wurde eine entsprechende .travis.yml Datei angelegt. Travis CI kompiliert die Software und startet alle implementierten Tests. Schlägt einer der Tests fehl, werden wir per E-Mail informiert. Außerdem vergibt Travis CI Badges, anhand derer in GitHub sichtbar ist, welche Branches in ihrem aktuellen Stand ohne Probleme kompiliert und getestet wurden.

Die Tests bestehen aus statischen Unit-Tests, welche zunächst alle grundlegenden Funktionen testen, ohne welche die anderen Funktionen nicht arbeiten können, wie zum Beispiel das korrekte Verbinden auf eine Nightscout Test Instanz und die volle Funktionalität der API-Schnittstelle. Außerdem werden alle verwendeten mathematischen Modelle - zum Beispiel zur Berechnung von Insulinabbau über Zeit im Blutkreislauf - mit festen Testdaten auf Korrektheit überprüft. Diese Testdaten wurden zuvor unabhängig von der Implementierung der Funktionen berechnet, wir testen die Funktionen also nicht mit Werten, die durch die Funktionen selbst generiert wurden. In einem zweiten Schritt werden - abhängig vom Status und Inhalt der in der Nightscout Test Instanz gespeicherten Daten - dynamisch weitere Tests generiert, die die implementierten Algorithmen auf verschiedene Weisen testen. Dies ist stark von den jeweiligen Algorithmen abhängig, wir testen aber mindestens jede offen verfügbare (`public`) Methode. Dafür verwenden wir die in JUnit-5 integrierte dynamische Test-Generation. Methoden die nicht automatisch getestet werden können müssen durch Tests des Erstellers getestet werden. Dies stellt sicher, dass sie fehlerfrei funktionieren. Sollten hierbei Fehler auftreten, werden diese mit sinnvollen Fehlermeldungen ausgegeben, so dass diese behoben werden können und der Nutzer informiert ist. Auf diese Weise können wir Tests mit verschiedenen Beispieldaten problemlos mehrmals ausführen und auch die Möglichkeit anbieten, das Programm mit eigenen Testdaten zu überprüfen.

Sollte die Test Instanz von Nightscout einmal nicht verfügbar sein, schlagen die Tests mit eindeutigen Meldungen fehl und teilen dem Benutzer mit, wie die Fehler zu beheben sind. Wenn auf der Nightscout Test Instanz unzureichende oder falsche Daten gespeichert sind, überprüfen die Tests, ob die Algorithmen korrekt abbrechen und dem Benutzer mitteilen, welche Probleme mit den verfügbaren Daten bestehen. Nicht ausgeführte Tests auf Grund von fehlenden Daten in der Nightscout Test Instanz werden als nicht ausgeführt markiert, lassen den gesamten Test aber nicht fehlschlagen.

Coverity wird nur bei Commits auf den Coverity Branch ausgeführt, da die Nutzung von Coverity beschränkt ist. Dies wird durchgeführt, bevor in den Master Branch gemerged wird. Die Anzahl der Builds pro Woche ist auf 28 mit maximal 4 Tests am Tag beschränkt, wenn weniger als 100.000 Zeilen Code getestet werden. Wurden die maximale Anzahl der Builds pro Tag erreicht, werden weitere Builds an dem entsprechenden Tag abgelehnt. Wenn Travis CI oder Coverity Fehler erzeugen, müssen diese von demjenigen, der gepusht hat. Auch dies soll innerhalb der nächsten drei Tage geschehen und kann ebenfalls maximal auf sieben Tage

verlängert werden. Falls dies nicht gelöst werden kann wird das Problem auf dem nächsten Aufraggebertreffen besprochen.

2.2 Modularität

2.2.1 Beschreibung

Unser zweites QS-Ziel ist die Modularität und damit verbunden die Erweiterbarkeit. Unser Ziel ist es, ohne viel Aufwand neue Algorithmen zur Berechnung der Mahlzeiten einpflegen zu können, sowie die Möglichkeit zu bieten neue Daten und Datenquellen einbinden zu können.

Dies ist besonders sinnvoll, da unser Code einer Opensource-Community, unter der AGPLv3 Lizenz, auf GitHub zur Verfügung steht und Mitglieder der Nightscout-Community (einschließlich Herrn Heuschkel als Auftraggeber) den Code wieder verwenden möchten.

So ist es möglich, wenn neue Ansätze für eine bessere Berechnung von Mahlzeiten gefunden wurden, diese einfach zu implementieren und auszuführen, ohne dass das Hauptprogramm geändert werden muss. Genauso können neue Datenquellen, wie zum Beispiel eine MySQL Datenbank, oder ein entferntes Dateisystem, eingefügt werden.

2.2.2 Maßnahmen

Um dies möglich zu machen, werden zunächst GitHub Wiki Artikel zur Verfügung gestellt[4]. In diesen wird ausführlich erklärt, wie unsere Software zu installieren, verwenden und erweitern ist. Die Projektstruktur ist modular, sodass neue Algorithmen und Datenquellen einfach durch die Implementierung eines Interfaces hinzugefügt werden können. Es werden verschiedene Entwurfsmuster (Design Patterns) verwendet, um die Erweiterbarkeit sicher zu stellen.

Unser Projekt gliedert sich in drei Hauptmodule: Das Hauptprogramm (Modul 1), die Anbindung an Nightscout und der Daten-Parser (Modul 2) und die Repräsentation der Daten (Modul 3). Diese Module können unabhängig voneinander verwendet werden, wobei sie jeweils auf das in der obigen Liste folgende Modul aufbauen. Unser Auftraggeber verwendet zum Beispiel die im dritten Modul definierten Datenklassen auch für andere Projekte, und die Anbindung an Nightscout kann benutzt werden, um beliebige Daten von und zu Nightscout zu übertragen.

Das Hauptprogramm gliedert sich in vier weitere Module: Die Hauptklasse und ihre dazugehörigen Klassen, zum Starten des Programms (Modul 1.1), die Datenquellen, zum Einlesen und Abspeichern der Daten (Modul 1.2) und die Algorithmen, zur Verarbeitung der Daten (Modul 1.3). Häufig benutzte Funktionen und die Implementierungen der verwendeten mathematischen Modelle, welche in verschiedenen Algorithmen benötigt werden, werden in eigene Klassen ausgelagert (Modul 1.4). Hierunter fällt zum Beispiel das Berechnen von Insulinabbau im Blutkreislauf über Zeit oder die Umwandlung von Kohlenhydraten zu Glucose über Zeit, was unabhängig vom später verwendeten Algorithmus immer gleich verläuft. Dies ermöglicht es viele Funktionen in verschiedenen Algorithmen wieder zu verwenden und diese unabhängig von den Algorithmen testen zu können.

Wie bereits beim Ziel der Korrektheit beschrieben, werden Pull-Requests auf den Master Branch von mindestens einer anderen Person kontrolliert. Hier wird auch überprüft, ob die oben beschriebene Modularität eingehalten wurde.

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[4] https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/wiki

2.2.3 Prozessbeschreibung

Die Wiki Artikel beschreiben auf englisch, Schritt für Schritt, wie ein neuer Algorithmus implementiert werden kann. Dies wird exemplarisch an einem unserer Algorithmen gezeigt. Die Artikel werden von zwei Projektmitgliedern geschrieben. Mindestens zwei andere Mitglieder lesen diese Korrektur und überprüfen anhand einer Checkliste (siehe Anhang), ob diese vollständig sind und vollziehen die Schritte auf einem neuen System nach. Dies ist erreicht, wenn der Algorithmus nach der Ausführung der Anleitung lauffähig ist.

Sowohl für die Algorithmen als auch für die Datenquellen verwenden wir das Strategy Pattern[5], um während der Laufzeit verschiedene Algorithmen und Datenquellen zu laden. Das Datenquellen-Interface (`DataProvider`) definiert abstrakte Methoden zum Laden von Blutzucker Messwerten, Insulinbehandlungen, und bekannten Mahlzeiten jeweils in einem bestimmten Zeitfenster. Das Algorithmus-Interface (`Algorithm`) definiert abstrakte Methoden, um bekannte Blutzucker Messwerte, Insulinbehandlungen und Mahlzeiten zur Verfügung zu stellen, eine Methode um die Ausführung des Algorithmus zu starten und eine Methode um die berechneten Mahlzeiten abzurufen.

Die Nightscout Anbindung beinhaltet einen unabhängig verwendbaren Parser, welcher ebenfalls ein Interface erweitert und mit dem Template Method Pattern das direkte Analysieren von Strings (zum Beispiel die Rückgabewerte der Nightscout API) und die Verwendung von normalen Textdateien als Quelle ermöglicht. Dieser Parser kann die JSON-Repräsentation der Daten von Nightscout übersetzen. Da Nightscout selbst das Hinzufügen von neuen Datentypen erlaubt, ist es auch hier kein Problem einen neuen Parser für noch unbekannte Daten hinzuzufügen.

Zur Repräsentation der Daten im Programm benutzen wir verschiedene vom Auftraggeber vorgegebene Datenklassen, welche auch in anderen Projekten des Auftraggebers verwendet werden. Alle Algorithmen und Datenquellen benutzen ausschließlich diese Klassen, um miteinander zu kommunizieren, und ermöglichen dadurch ebenso unser Programm mit anderen vom Auftraggeber verwendeten Programmen zu kombinieren.

Bei der Kontrolle von Pull-Requests auf den Master Branch achtet die kontrollierende Person[6] darauf, dass die verwendeten Entwurfsmuster korrekt umgesetzt wurden und zum Beispiel ein Algorithmus nicht direkt Daten an das Hauptprogramm weiter gibt. Außerdem wird darauf geachtet neue Funktionen so abstrakt wie möglich zu implementieren, um die Wiederverwendung an anderen Stellen zu erleichtern. Dabei wird kontrolliert, ob diese neuen Funktionen sinnvoll in ihrem Modul platziert sind, oder ob eine Implementation in einem anderen Modul die Wiederverwendung an mehr Stellen ermöglichen würde. Die im Anhang enthaltene Checkliste beinhaltet auch die hierfür wichtigen Punkte. Sollte ein Pull-Request abgelehnt worden sein, hat der Ersteller des Pull-Requests wieder drei Tage Zeit dies zu beheben und kann maximal auf sieben Tage verlängern. Auch hier gilt, dass das Problem bei dem nächsten Auftraggebertreffen besprochen wird, falls es in der Zeit nicht gelöst wird. Wer den Pull-Request angenommen hat wird automatisch in git dokumentiert. Auch hier wird die entsprechende Dokumentation im Anhang zur Verfügung gestellt.

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[5] https://en.wikipedia.org/wiki/Strategy_pattern
[6] Die kontrollierende Person ist immer eine andere, als die Person, welche einen Pull-Request erstellt hat. Dies wird von GitHub sicher gestellt, der Ersteller eines Pull-Requests ist automatisch nicht mehr in der Lage, den Pull-Request anzunehmen.

A Anhang

A.1 Änderungen gegenüber der Erstabgabe

Seit der ersten Abgabe dieses Qualitätssicherungsdokuments gab es die folgenden Änderungen:

- Modularität: Die Klasse `Algorithm` war zunächst als Interface geplant, wurde aber schlussendlich als abstrakte Klasse realisiert um Doppelungen in den einzelnen Algorithmen zu reduzieren. An der Modularität ändert sich hierdurch nichts.

A.2 Pull-Request-Review Checkliste

Die aktuellste Version der Checkliste ist auch im GitHub Wiki einsehbar.

General
- Travis CI Build successfull

- Coverity Scan executed *(Hinzugefügt ab PR #15)*

- Scope is appropriate *(Hinzugefügt ab PR #13)*
    - if more than one feature is merged by this pull request, they have to be logically connected

- Module is appropriate
    - the changes are applied in the lowest possible place on the hierarchy list of modules

- Access is appropriate *(Hinzugefügt ab PR #13)*
    - all fields, methods and classes have the most restrictive access possible (private < protected < package < public)
    - Documentation is complete
    - all methods that are not private have appropriate JavaDoc
    - private methods should be documented if the method name does not immediately explain the methods purpose
    - getters and setters are excluded if the only thing they do is getting or setting an objects field

- Modularity is kept
    - no cyclic references between modules are introduced
    - design patterns are applied (see below)
        * main module: Strategy Pattern for algorithms and dataproviders
        * nsapi module: Template Method Pattern for parsers

- Style and Layout
  - package and class names make sense, method names are self explanatory but short
  - easy to read and understand

Tests
- All implemented tests are executed by travis
  - a test that is known to be broken can be excluded from execution only, if another test tests the same feature
  - broken tests should be documented for why they are still needed (fix may be coming later, or they are kept for reference)

- All public methods are tested
  - all methods, that are not getters and setters, have to be tested
  - exceptions to this rule have to be explained in detail

- Methods which have no restrictions on their arguments are tested with all possible arguments *(Hinzugefügt ab PR #13)*
  - if an exhaustive test of all arguments is not possible, the arguments are randomized over the entire range of possible arguments

- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments *(Hinzugefügt ab PR #13)*

Design Patterns
(Hinzugefügt ab PR #13)
Strategy Pattern:

- The two strategy interfaces are:
  - `Algorithm`
    * This interface was changed to an abstract class during development. The strategy pattern still applies.
  - `DataProvider`
- The strategy implementations exclusively use their interface methods for communication with other classes

- The main program does not execute methods on conrete implementations of the strategy but only methods of the strategy interfaces (with the exception of the constructors)

Template Method Pattern:

- The template interfaces are:
  - `Parser<T>`
    * method: `T parse(String)`

A.3 Pull-Request-Review Protokoll

Die folgenden Pull-Request-Review Protokolle wurden während dem Projekt erstellt. Es konnten mehrfach Pull-Requests nicht direkt angenommen werden, allerdings wurden die Probleme in allen Fällen direkt während dem Review Prozess gelöst da es sich jedes mal nur um fehlende Tests oder fehlendes Javadoc handelte. „Main" Klassen wurden manuell auf ihre funktionalen Anforderungen getestet, alle anderen („Library"-) Klassen wurden durch JUnit Tests getestet.

05.01.2019 PR#3
- Protokoll: Bild A.1

11.01.2019 PR#4
- Protokoll: Bild A.2

04.03.2019 PR#13
- Protokoll: Bild A.3

- Test Coverage: Bild A.4

13.03.2019 PR#15
- Protokoll: Bild A.5

- Test Coverage: Bild A.6

- Manuelle Tests: Bild A.7

15.03.3019 PR#16
- Protokoll: Bild A.8

- Test Coverage: Bild A.9

- Manuelle Tests: Bild A.10

18.03.3019 PR#18
- Protokoll: Bild A.11

- Test Coverage: Bild A.12

23.03.2019 PR#45
- Protokoll: Bild A.13

23.03.3019 PR#43
- Protokoll: Bild A.14

- Test Coverage: Bild A.15

- Manuelle Tests: Bild A.16

23.03.2019 PR#46
- Protokoll: Bild A.17

29.03.3019 PR#52
- Protokoll: Bild A.18

29.03.3019 PR#47
- Protokoll: Bild A.19
- Test Coverage: Bild A.20

30.03.3019 PR#51
- Protokoll: Bild A.21
- Test Coverage: Bild A.22

30.03.3019 PR#54
- Protokoll: Bild A.23
- Test Coverage: Bild A.24

31.03.3019 PR#56
- Protokoll: Bild A.25
- Test Coverage: Bild A.26
- Manuelle Tests: Bild A.27

31.03.3019 PR#57
- Protokoll: Bild A.28
- Manuelle Tests: Bild A.27
- Plot 1: Bild A.29
- Plot 2: Bild A.30
- Plot 3: Bild A.31

31.03.3019 PR#58
- Protokoll: Bild A.32
- Manuelle Tests: Bild A.27

Abbildung A.1.: Pull Request #3

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/3

created by: Jan Petto
approved by: Anna Mees
merged on: 05.01.2019

General

- Travis CI Build successfull
    - check
- Module is appropriate
    - check
- Documentation is complete
    - check
- Modularity is kept
    - check
- Style and Layout
    - check

Tests

- All implemented tests are executed by travis
    - check
- All public methods are tested
    - check

Abbildung A.2.: Pull Request #4

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/4

created by: Paul Wolfart
approved by: Anna Mees
merged on: 11.01.2019

General

- Travis CI Build successfull
    - check
- Module is appropriate
    - check
- Documentation is complete
    - check
- Modularity is kept
    - check
- Style and Layout
    - check

Tests

- All implemented tests are executed by travis
    - check
- All public methods are tested
    - check

Abbildung A.3.: Pull Request #13

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/13

created by: Jan Petto
approved by: Aino Schwarte
merged on: 04.03.2019

General

- Travis CI Build successfull
  - check
- Coverity Scan executed
  - Nicht ausgeführt
- Scope is appropriate
  - Implementation von durch Auftraggeber vorgegebener Libraries
    - Import Änderungen wegen geänderter Interfaces
    - Hilfsfunktionen
    - Vault Entry Export
- Module is appropriate
  - Durch Auftraggeber vorgegebene Änderungen in Vault
    - niedrigstes Modul
  - Nightscout Api Änderungen im NSApi Modul
- Access is appropriate
  - check
- Documentation is complete
  - Durch Auftraggeber vorgegebene Änderungen bleiben undokumentiert
  - Debugging Methode nicht dokumentiert (fliegt später raus)
  - Parser Interface
- Modularity is kept
  - check
- Style and Layout
  - check

Tests

- All implemented tests are executed by travis
  - check
- All public methods are tested
  - check
- Methods which have no restrictions on their arguments are tested with all possible arguments
  - check
  - NSApi: Tests sind noch nicht erschöpfend, das ist außerhalb des Scopes dieses PRs, wird in anderem Branch entwickelt
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
  - check
  - NSApi: Siehe oben, Tests werden in anderem Branch entwickelt

Design Patterns

Strategy Pattern

- Keine Änderungen an Komponenten mit Strategy Pattern

Template Method Pattern

- Parser: check

Abbildung A.4.: Test Coverage Pull Request #13

Abbildung A.5.: Pull Request #15

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/15

created by: Jan Petto
approved by: Paul Wolfart
merged on: 13.03.2019

General

- Travis CI Build successfull
    - check
- Coverity Scan executed
    - check, no defects in merged components
- Scope is appropriate
    - check
- Module is appropriate
    - check
- Access is appropriate
    - check
- Documentation is complete
    - check
- Modularity is kept
    - check
- Style and Layout
    - check

Tests

- All implemented tests are executed by travis
    - check
- All public methods are tested
    - check
    - report on the manual test of the main class
- Methods which have no restrictions on their arguments are tested with all possible arguments
    - check
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
    - check

Design Patterns

Strategy Pattern

- Keine Änderungen an Komponenten mit Strategy Pattern

Template Method Pattern

- Parser: check

Abbildung A.6.: Test Coverage Pull Request #15
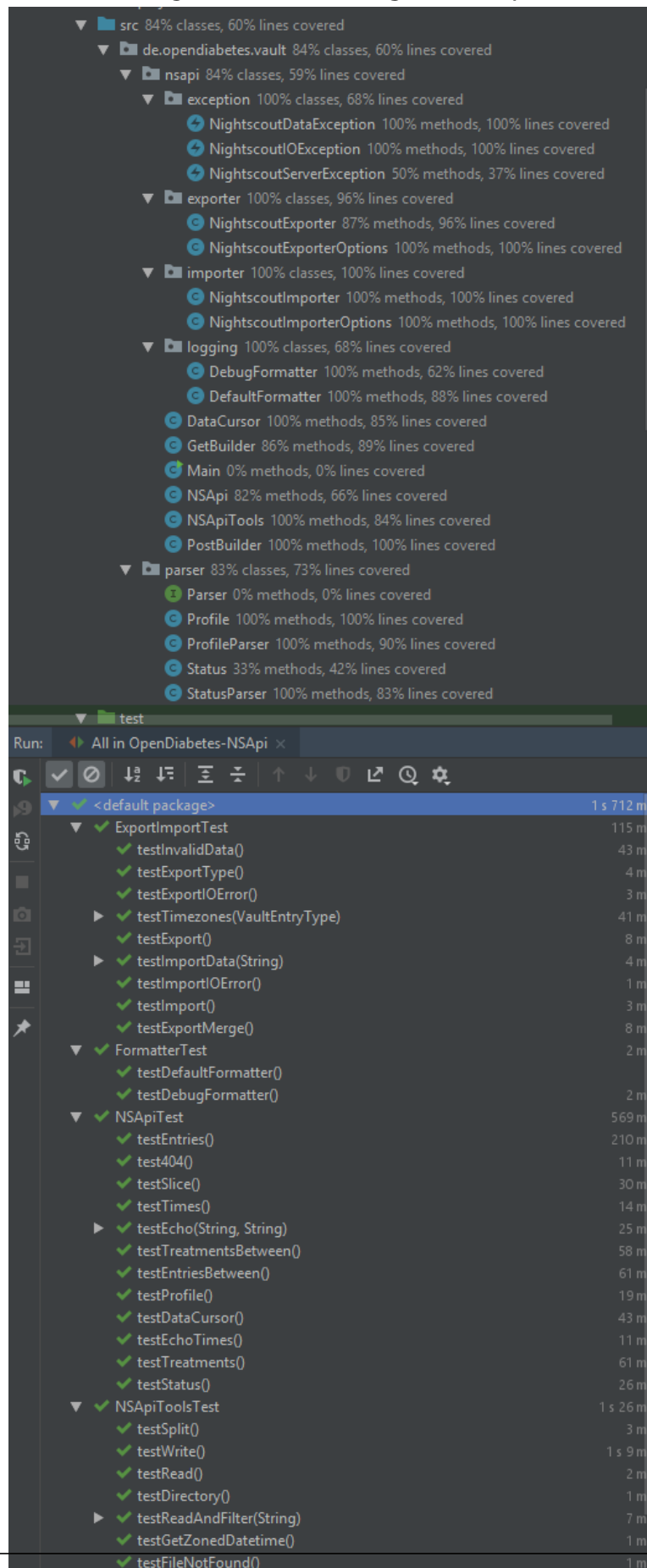
Abbildung A.7.: Manual Tests Pull Request #15

Tester: Jan Petto
Tested on: 13.03.2019

Ausführung Main

Ohne Argumente gibt Erklärung aller möglichen Argumente aus	check
Ausführung mit nicht allen benötigten Argumenten beendet und gibt Warnung aus	check
Ausführung mit falschen Secret gibt Warnung aus (zu beachten: Nightscout Server muss mit Authentifizierung konfiguriert sein)	check
Auführung mit --status gibt Status aus	check
Debug Flag gibt bei Fehlern Stacktrace mit aus	check
Verbose Flag gibt detailliertere Logmessages	check
Post File funktioniert	check
Get File funktioniert	check
Filtern von Daten funktioniert	check

Abbildung A.8.: Pull Request #16
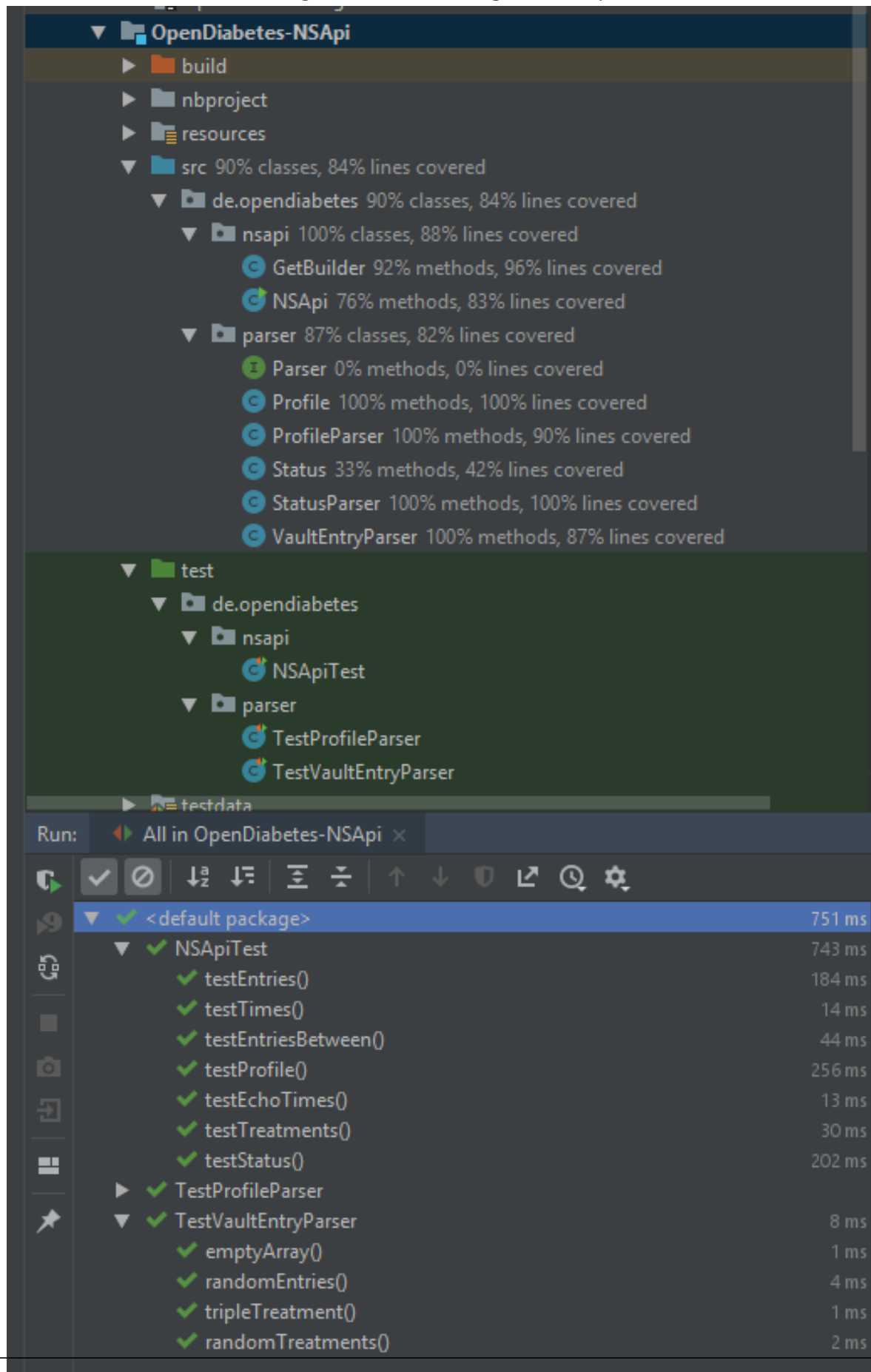
https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/16

created by: Jan Petto
approved by: Paul Wolfart
merged on: 15.03.2019

General

- Travis CI Build successfull
    - check
- Coverity Scan executed
    - check
- Scope is appropriate
    - check
- Module is appropriate
    - check
- Access is appropriate
    - check
- Documentation is complete
    - check
- Modularity is kept
    - check
- Style and Layout
    - check

Tests

- All implemented tests are executed by travis
    - check
- All public methods are tested
    - check
    - report on the manual test of the main class
- Methods which have no restrictions on their arguments are tested with all possible arguments
    - check
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
    - check

Design Patterns

no changes concering design patterns

Abbildung A.9.: Test Coverage Pull Request #16
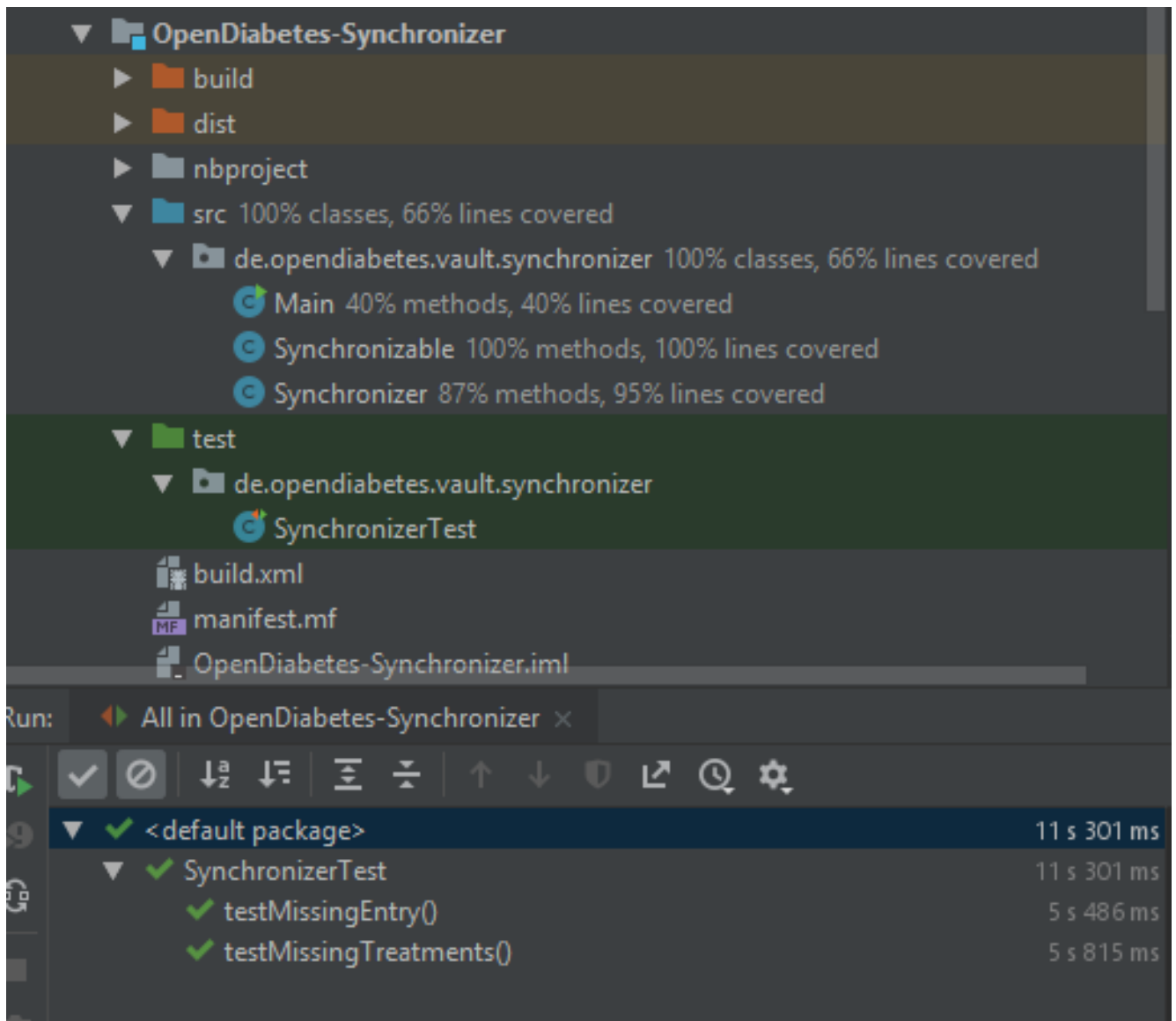
Abbildung A.10.: Manual Tests Pull Request #16

Tester: Jan Petto
Tested on: 15.03.2019

Ausführung Main

Ohne Argumente gibt Erklärung aller möglichen Argumente aus	check
Ausführung mit nicht allen benötigten Argumenten beendet und gibt Warnung aus	check
Ausführung mit falschen Secret gibt Warnung aus (zu beachten: Nightscout Server muss mit Authentifizierung konfiguriert sein)	check
Auführung ohne weitere Argumente synchronisiert entries, treatments und device status	check
Debug Flag gibt bei Fehlern Stacktrace mit aus	check
Verbose Flag gibt detailliertere Logmessages	check
--data flag erlaubt andere Datenpunkte (Test mit uam Datenpunkt)	check
IDs werden von Daten entfernt außer --with-ids Flag ist gesetzt	check

Abbildung A.11.: Pull Request #18

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/18

created by: Paul Wolfart
approved by: Jan Petto
merged on: 18.03.2019

General

- Travis CI Build successfull
  - check
- Coverity Scan executed
  - check (from previous build, no new changes)
- Scope is appropriate
  - check
- Module is appropriate
  - check
- Access is appropriate
  - check
- Documentation is complete
  - check
- Modularity is kept
  - check
- Style and Layout
  - check

Tests

- All implemented tests are executed by travis
  - check
- All public methods are tested
  - check
- Methods which have no restrictions on their arguments are tested with all possible arguments
  - check, except timezone tests:
    - tests are for edge cases which would be contradicted by random arguments
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
  - check

Design Patterns

No changes concerning any design patterns

Abbildung A.12.: Test Coverage Pull Request #18

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/43

created by: Jan Petto
approved by: Anna Mees
merged on: 23.03.2019

General

- Travis CI Build successful
  - check
- Coverity Scan executed
  - check
- Scope is appropriate
  - check
- Module is appropriate
  - check
- Access is appropriate
  - check
- Documentation is complete
  - check
- Modularity is kept
  - check
- Style and Layout
  - check

Tests

- All implemented tests are executed by travis
  - check
- All public methods are tested
  - check
  - report on the manual test of the main class
- Methods which have no restrictions on their arguments are tested with all possible arguments
  - check
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
  - check

Design Patterns

no changes in this area

Abbildung A.14.: Pull Request #43

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/43

created by: Jan Petto
approved by: Anna Mees
merged on: 23.03.2019

General

- Travis CI Build successful
  - check
- Coverity Scan executed
  - check
- Scope is appropriate
  - check
- Module is appropriate
  - check
- Access is appropriate
  - check
- Documentation is complete
  - check
- Modularity is kept
  - check
- Style and Layout
  - check

Tests

- All implemented tests are executed by travis
  - check
- All public methods are tested
  - check
  - report on the manual test of the main class
- Methods which have no restrictions on their arguments are tested with all possible arguments
  - check
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
  - check

Design Patterns

no changes concerning design patterns

Abbildung A.15.: Test Coverage Pull Request #43
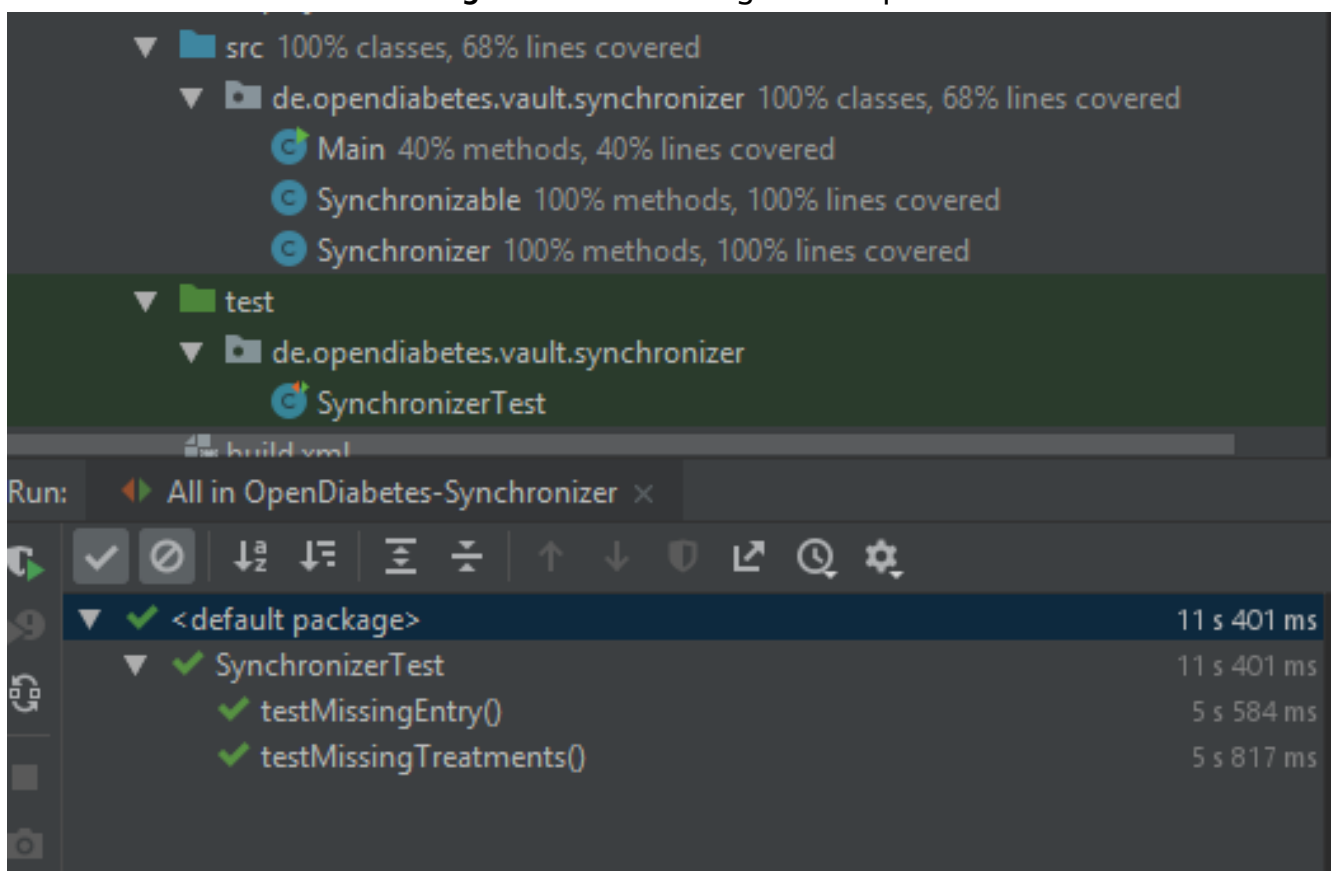
Abbildung A.16.: Manual Tests Pull Request #43

Tester: Jan Petto
Tested on: 23.03.2019

Ausführung Main

Ohne Argumente gibt Erklärung aller möglichen Argumente aus	check
Ausführung mit nicht allen benötigten Argumenten beendet und gibt Warnung aus	check
Ausführung mit falschen Secret gibt Warnung aus (zu beachten: Nightscout Server muss mit Authentifizierung konfiguriert sein)	check
Auführung ohne weitere Argumente synchronisiert entries, treatments und device status	check
Debug Flag gibt bei Fehlern Stacktrace mit aus	check
Verbose Flag gibt detailliertere Logmessages	check
--data Flag erlaubt andere Datenpunkte (Test mit uam Datenpunkt)	check
IDs werden von Daten entfernt außer --with-ids Flag ist gesetzt	check
-diff Flag schreibt Fehlende Daten in Datei anstatt sie auf Zielinstanz hochzuladen	check

Abbildung A.17.: Pull Request #46

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/43

created by: Jan Petto
approved by: Anna Mees
merged on: 23.03.2019

WIP General

- Travis CI Build successful
  - check
- Coverity Scan executed
  - check
- Scope is appropriate
  - check
- Module is appropriate
  - check
- Access is appropriate
  - check
- Documentation is complete
  - check
- Modularity is kept
  - check
- Style and Layout
  - check

Tests

- All implemented tests are executed by travis
  - check
- All public methods are tested
  - check
  - report on the manual test of the main class
- Methods which have no restrictions on their arguments are tested with all possible arguments
  - check
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
  - check

Design Patterns

no changes in this area

Abbildung A.18.: Pull Request #52

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/52

Geöffnet von: Jan Petto
Reviewed von: Paul Wolfart
Merged on: 29.03.2019

Mit diesem Pullrequest wurden nur Dateien verändert die den Buildprozess von Travis verändern.

Abbildung A.19.: Pull Request #47

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/47
Geöffnet von: Jan Petto
Reviewed von: Paul Wolfart
merged am: 29.03.2019

General

- Travis CI Build successfull
    - was successfull
- Coverity Scan executed
    - was executed
- Scope is appropriate
    - check
- Module is appropriate
    - check
- Access is appropriate
    - check
- Documentation is complete
    - Alle änderungen wurden dokumentiert
- Modularity is kept
    - keine zyklischen Referenzen
- Style and Layout
    - check

Tests

- All implemented tests are executed by travis
    - check
- All public methods are tested
    - check
- Methods which have no restrictions on their arguments are tested with all possible arguments
    - check
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
    - check

Design Patterns

no changes in this area

Abbildung A.20.: Test Coverage Pull Request #47
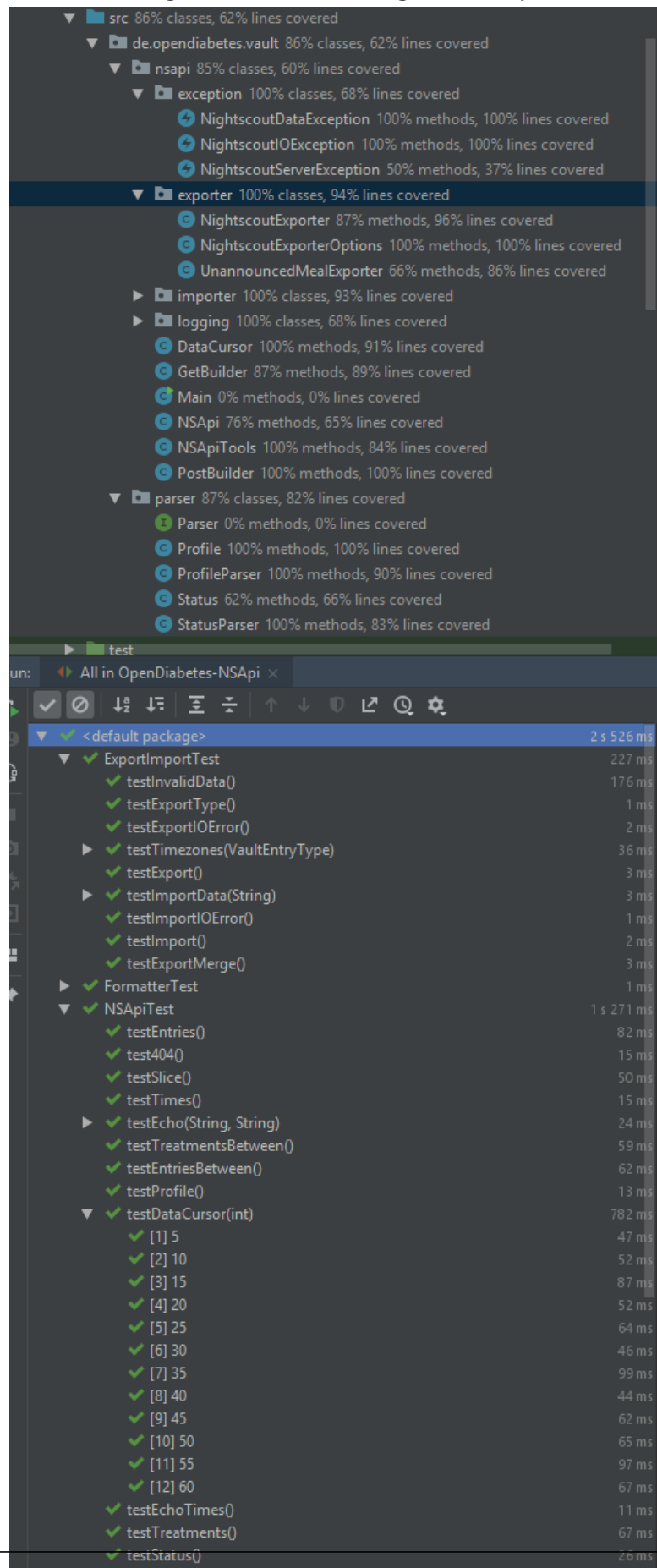
Abbildung A.21.: Pull Request #51

Created by: Anna Mees
Approved by: Jan Petto
Merged on: 30.03.2019

Anfangs fehlten einige Tests und die Dokumentation war unvollständig. Dies wurde behoben.

General

- Travis CI Build successfull
  - check
- Coverity Scan executed
  - check
- Scope is appropriate
  - check
- Module is appropriate
  - check
- Access is appropriate
  - check
- Documentation is complete
  - check
- Modularity is kept
  - check
- Style and Layout
  - check

Tests

- All implemented tests are executed by travis
  - check
- All public methods are tested
  - check
  - Die abstrakten Algorithm Klasse ist ungetestet. Tests hierfür werden in einem zukünftigen Merge Request mit den Implementationen der Klasse zusammen getestet.
- Methods which have no restrictions on their arguments are tested with all possible arguments
  - check
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
  - check

Design Patterns

Strategy Pattern

- The strategy implementations exclusively use their interface methods for communication with other classes
  - check
- The main program does not execute methods on conrete implementations of the strategy but only methods of the strategy interfaces (with the exception of the constructors)
  - check (Main program not yet included)

Abbildung A.22.: Test Coverage Pull Request #51
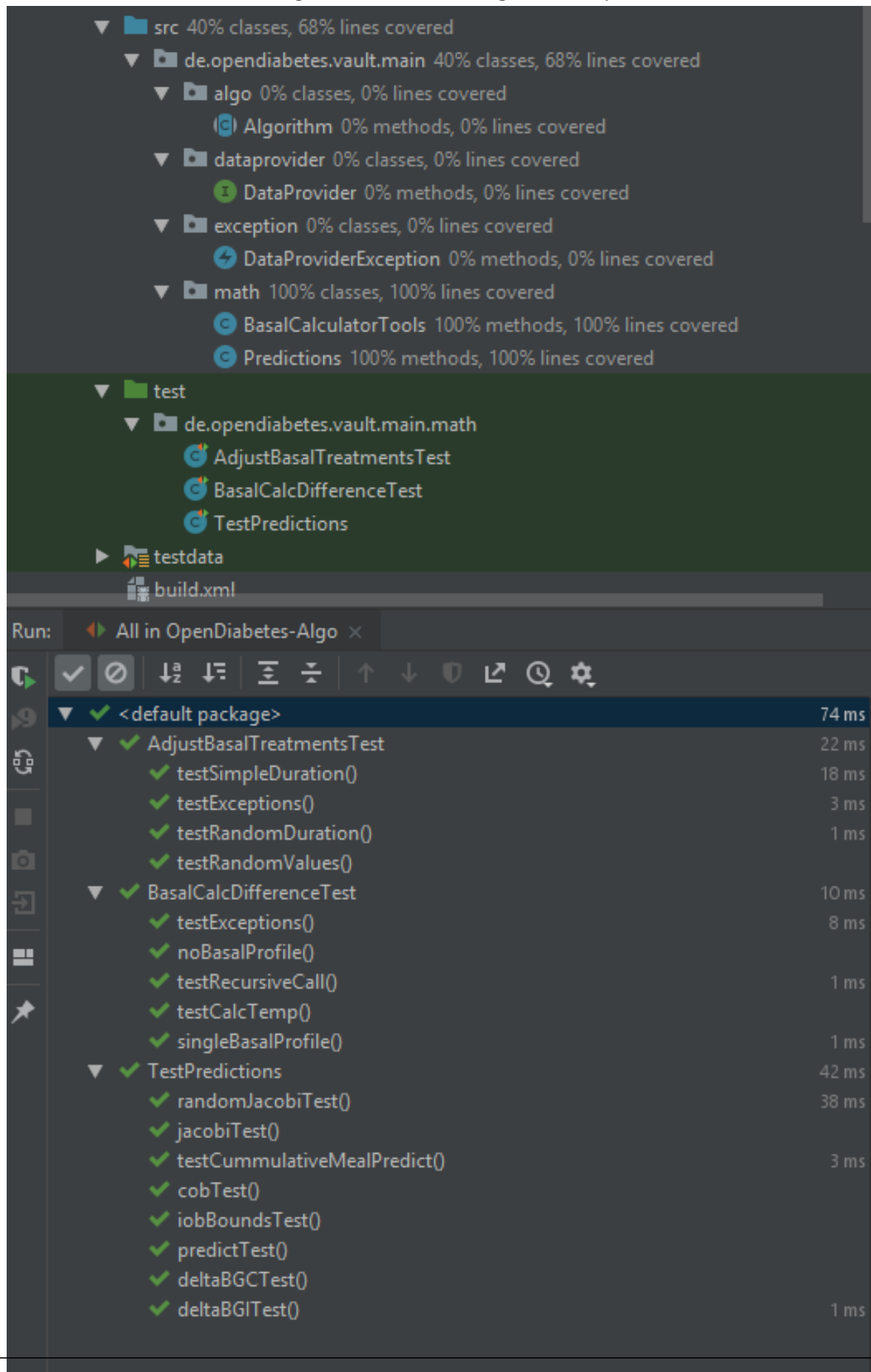
Abbildung A.23.: Pull Request #54

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/54

Created by: Jan Petto
Approved by: Paul Wolfart
Merged on: 30.03.2019

General

- Travis CI Build successfull
  - check
- Coverity Scan executed
  - check
- Scope is appropriate
  - check
- Module is appropriate
  - check
- Access is appropriate
  - check
- Documentation is complete
  - Klassen waren nicht beschrieben.
  - sind es jetzt.
- Modularity is kept
  - check
- Style and Layout
  - ist super

Tests

- All implemented tests are executed by travis
  - check
- All public methods are tested
  - check
- Methods which have no restrictions on their arguments are tested with all possible arguments
  - check
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
  - viele der Methoden werfen Exceptions auf die wir nicht testen können. Man müsste einen Nightscoutserver server aufsetzen der fehlerhaft ist oder den Zugriff auf Dateien stören

Design Patterns

Strategy Pattern

- The strategy implementations exclusively use their interface methods for communication with other classes
  - check
- The main program does not execute methods on conrete implementations of the strategy but only methods of the strategy interfaces (with the exception of the constructors)
  - main not included yet

Abbildung A.24.: Test Coverage Pull Request #54
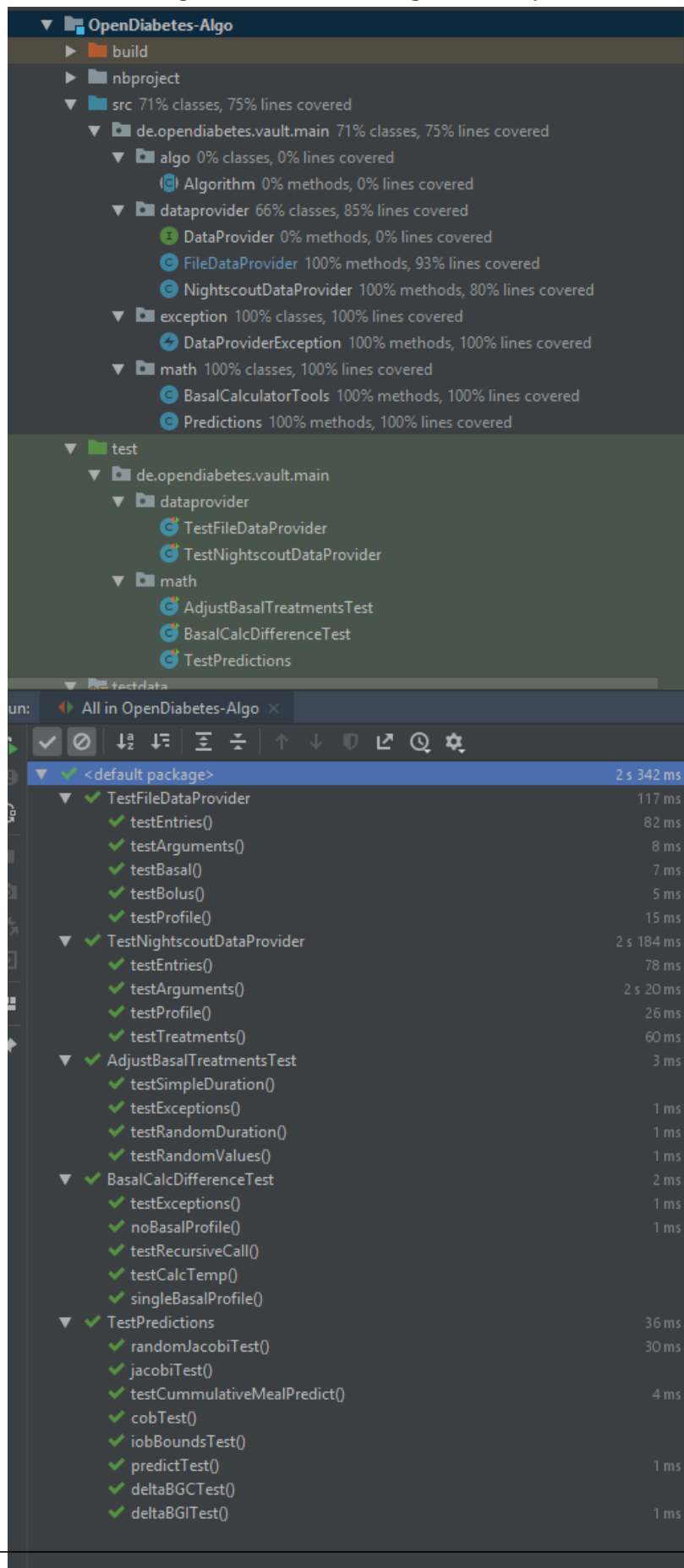
Abbildung A.25.: Pull Request #56

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/56

Created by: Paul Wolfart
Approved by: Jan Petto
Merged on: 31.03.2019

Es wurden mehrere vorherige PullRequets abgelehnt da Tests fehlten oder JavaDoc unvollständig war. (#48, #53)

General

- Travis CI Build successfull
  - check
- Coverity Scan executed
  - check
- Scope is appropriate
  - check
- Module is appropriate
  - check
- Access is appropriate
  - check
- Documentation is complete
  - check
- Modularity is kept
  - check
- Style and Layout
  - check

Tests

- All implemented tests are executed by travis
  - check
- All public methods are tested
  - check
- Methods which have no restrictions on their arguments are tested with all possible arguments
  - check
  - exhaustive tests using JUnit are not possible (see QA document)
- Methods which have restrictions on their arguments are tested for appropriate error messages or exceptions if they are executed with invalid arguments
  - tested with manual tests

Design Patterns

Strategy Pattern

- The strategy implementations exclusively use their interface methods for communication with other classes
  - check
- The main program does not execute methods on conrete implementations of the strategy but only methods of the strategy interfaces (with the exception of the constructors)
  - no main class yet

Abbildung A.26.: Test Coverage Pull Request #56
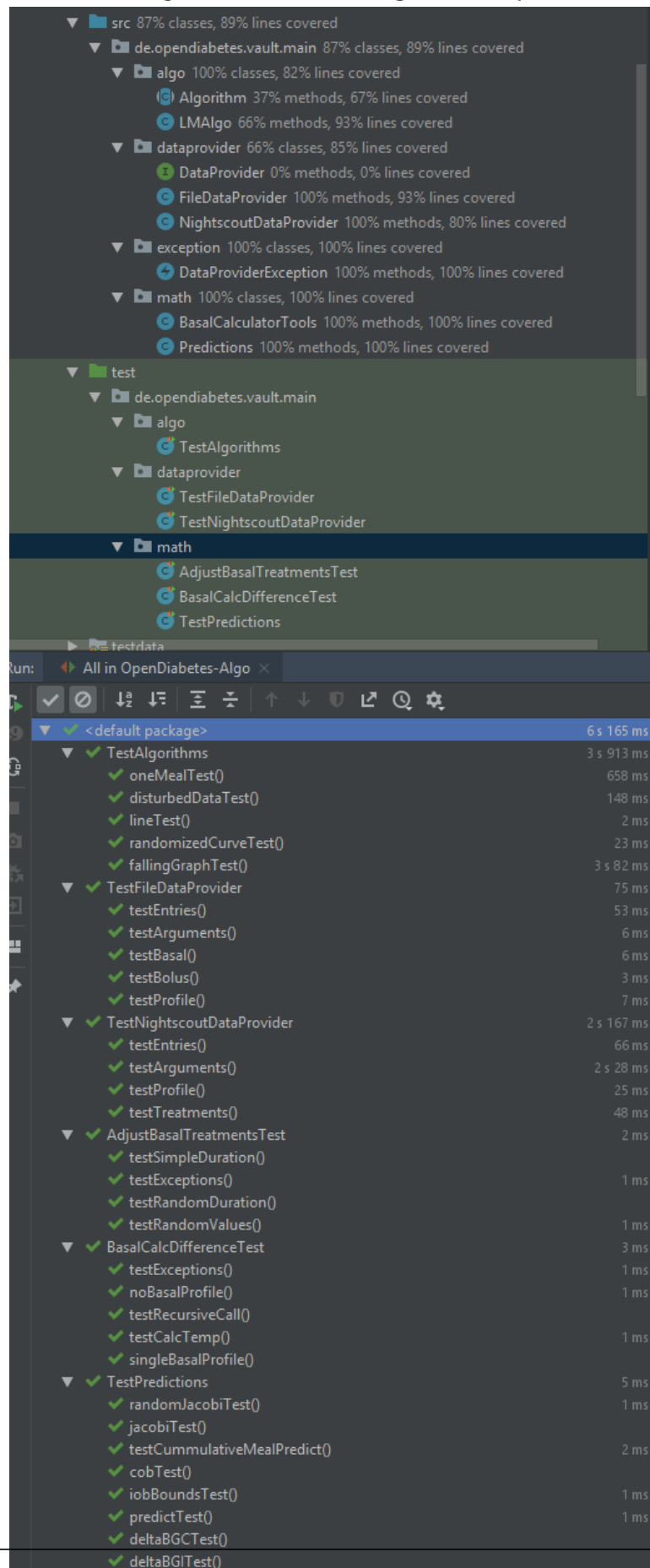
Abbildung A.27.: Manual Tests Pull Request #56

Tester: Paul Wolfart
Tested on: 30.03.2019

Ausführung Main

Ohne Argumente gibt Erklärung aller möglichen Argumente aus	check
Ausführung mit nicht allen benötigten Argumenten beendet und gibt Warnung aus	check
Wenn man einen Algorithmus oder Dataprovider angibt der nicht existiert wird die Ausführung beendet und es wird eine Warnung ausgegeben	check
Debug Flag gibt bei Fehlern Stacktrace mit aus	check
Verbose Flag gibt detailliertere Logmessages	check
Bei der Ausführung mit FileDataProvider wird eine Warnung augegeben falls nicht alle benötigten Pfade angegeben wurden oder ein Pfad falsch ist	check
Bei der Ausführung mit NightScoutDataProvider wird eine Warnung ausgegeben falls der host nicht erreichbar ist ect.	check
Wenn man Argumente auf illegale Werte setzt wird eine Warnung ausgegeben (Bsp. latest vor oldest oder peak <= 0) ausgegeben	check
Wenn kein Output spezifiziert wurde wird eine Warnung ausgegeben dass die Ergebnisse nur auf der Konsole ausgegeben werden	check
Mit latest und oldest lässt sich der Zeitraum der betrachteten Daten einstellen	check
--plot erzeugt einen Plot in dem die gegeben Blutzuckerkurve, die errechnete Blutzuckerkurve, die errechneten Mahlzeiten, die gegebenen Insulinboli und der relative Fehler in % angezeigt wird	check
Der Output als Datei funktioniert, es wird auch eine Warnung ausgegeben wenn --overwrite nicht gesetzt ist und die Datei schon existiert	check
Wenn unser Nightscout Plugin installiert ist lassen sich die Daten hochladen, wenn --upload-all gesetzt ist werden auch die Daten die zur Berechnung der Mahlzeiten dienen mit hochgeladen	check

Abbildung A.28.: Pull Request #57

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/57

Created by: Paul Wolfart
Approved by: Jan Petto
Merged on: 31.03.2019

General

- Travis CI Build successfull
  - check
- Coverity Scan executed
  - check
- Scope is appropriate
  - check
- Module is appropriate
  - check
- Access is appropriate
  - check
- Documentation is complete
  - check
- Modularity is kept
  - check
- Style and Layout
  - check

Tests

- Plotter is tested manually

Design Patterns

No Design Patterns apply

Abbildung A.29.: Plot Test 1 #57
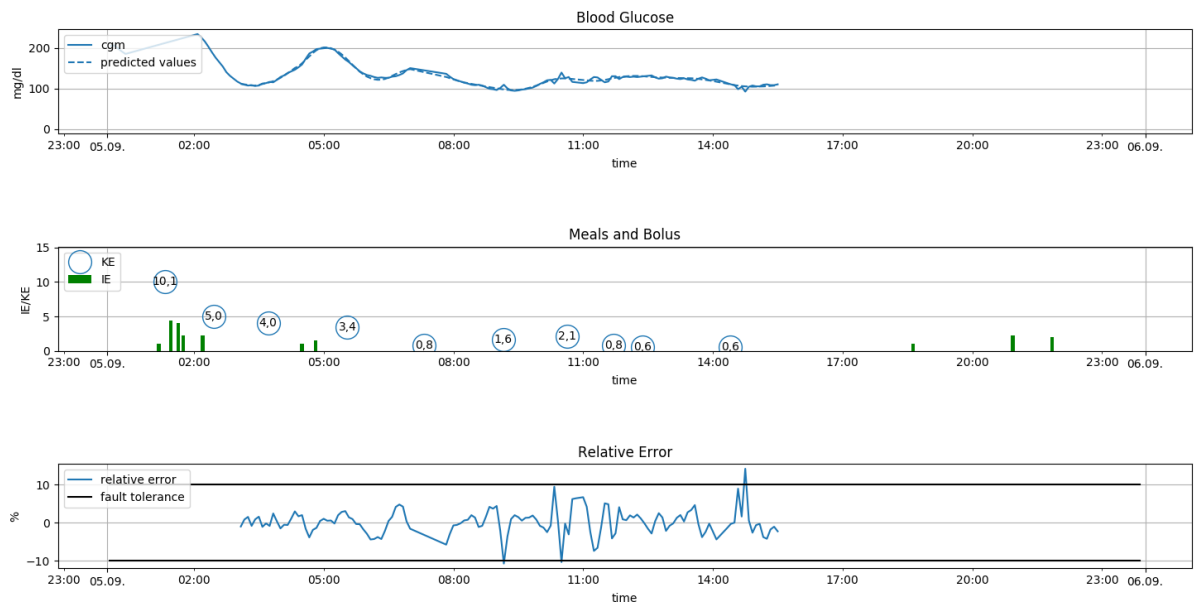
Abbildung A.30.: Plot Test 2 #57
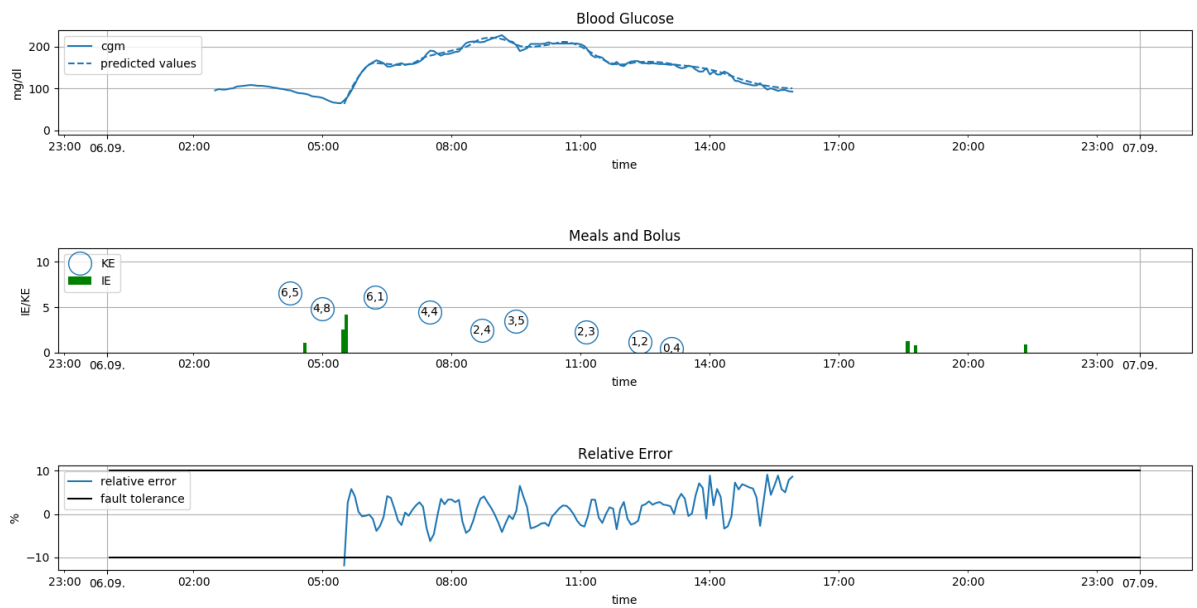
Abbildung A.31.: Plot Test 3 #57
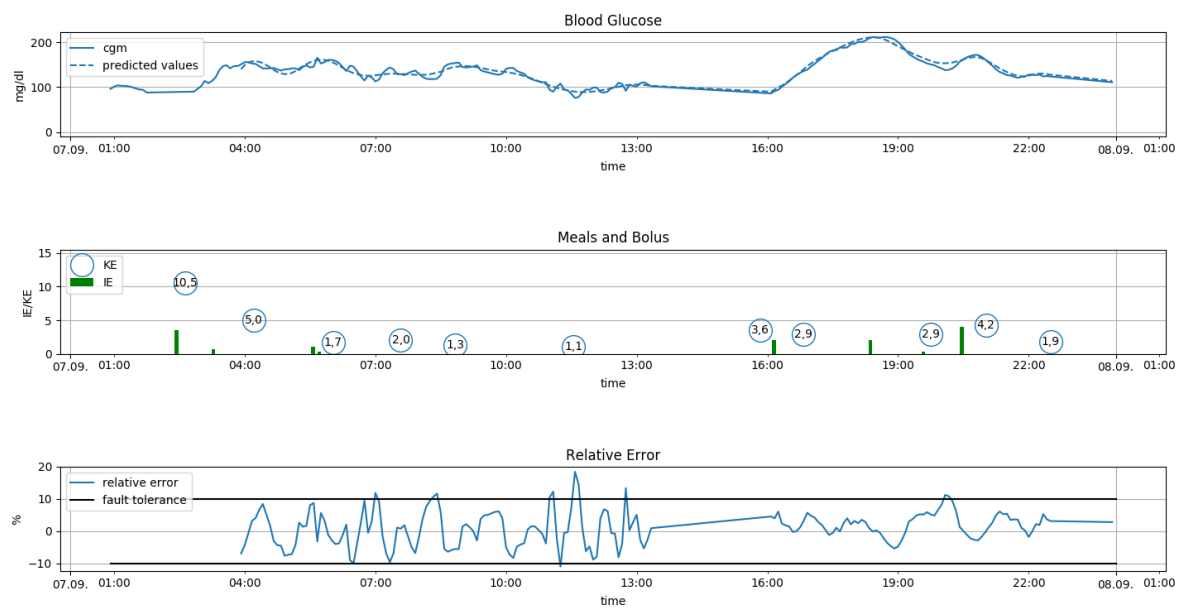
Abbildung A.32.: Pull Request #58

https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik/pull/58

Created by: Paul Wolfart
Approved by: Jan Petto
Merged on: 31.03.2019

General

- Travis CI Build successfull
  - check
- Coverity Scan executed
  - check
- Scope is appropriate
  - check
- Module is appropriate
  - check
- Access is appropriate
  - check
- Documentation is complete
  - check
- Modularity is kept
  - check
- Style and Layout
  - check

Tests

- Main is tested manually

Design Patterns

- The strategy implementations exclusively use their interface methods for communication with other classes
  - check
- The main program does not execute methods on conrete implementations of the strategy but only methods of the strategy interfaces (with the exception of the constructors)
  - check

A.4 GitHub Wiki Artikel Checkliste

- Alle Seiten sind in korrekter englischer Sprache verfasst

- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt

- Jede Seite besitzt eine Table of Content

- Anleitungen müssen vollständig und nachvollziehbar sein

    - Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen

- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein

- Zu jeder Erklärung muss es ein Beispiel geben

- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter

- Jedes Feature hat seine eigene Seite im Wiki

- Jedes Feature wird am Anfang seiner Seite kurz erklärt

A.5 GitHub Wiki Artikel Protokoll

Home
- Protokoll: Bild A.33

Algorithm
- Protokoll: abgelehnt Bild A.34

- Protokoll: Bild A.35

Calculating unannounced meals
- Protokoll: abgelehnt Bild A.36

- Protokoll: Bild A.37

Checklist Pull Request Review
- Protokoll: Bild A.38

Implementing a new algorithm
- Protokoll: abgelehnt Bild A.39

- Protokoll: Bild A.40

Implementing a new data provider
- Protokoll: abgelehnt Bild A.41

- Protokoll: Bild A.42

Mapping Nightscout Data on to VaultEntry data

- Protokoll: abgelehnt Bild A.43

- Protokoll: Bild A.44

Nightscout API

- Protokoll: Bild A.45

Setting up a local Nightscout Server

- Protokoll: Bild A.46

Synchronizer

- Protokoll: Bild A.47

Abbildung A.33.: Home

Review der Wikiseite 'Home'

- Alle Seiten sind in korrekter englischer Sprache verfasst
  - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
  - check
- Jede Seite besitzt eine Table of Content
  - check
- Anleitungen müssen vollständig und nachvollziehbar sein
  → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
  - check
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
  - check
- Zu jeder Erklärung muss es ein Beispiel geben
  - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
  - check
- Jedes Feature hat seine eigene Seite im Wiki
  - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
  - check, 'Home' ist kein Feature, deshalb auf dieser Seite keine Erklärung

Abbildung A.34.: Algorithm, abgelehnt

Review der Wikiseite 'Algorithm'

- Alle Seiten sind in korrekter englischer Sprache verfasst
    - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
    - check, siehe Home
- Jede Seite besitzt eine Table of Content
    - nicht vorhanden
- Anleitungen müssen vollständig und nachvollziehbar sein
    → Befolgen der Anleitung muss zu dem gewünschten ERgebnis führen
    - check
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
    - check
- Zu jeder Erklärung muss es ein Beispiel geben
    - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
    - check
- Jedes Feature hat seine eigene Seite im Wiki
    - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
    - check

Abbildung A.35.: Algorithm

Review der Wikiseite 'Algorithm'

- Alle Seiten sind in korrekter englischer Sprache verfasst
    - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
    - check, siehe Home
- Jede Seite besitzt eine Table of Content
    - check
- Anleitungen müssen vollständig und nachvollziehbar sein
    → Befolgen der Anleitung muss zu dem gewünschten ERgebnis führen
    - check
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
    - check
- Zu jeder Erklärung muss es ein Beispiel geben
    - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
    - check
- Jedes Feature hat seine eigene Seite im Wiki
    - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
    - check

Abbildung A.36.: Calculating unannounced meals, abgelehnt

Review der Wikiseite 'Calculating unannounced meals'

- Alle Seiten sind in korrekter englischer Sprache verfasst
  - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
  - check, siehe Home
- Jede Seite besitzt eine Table of Content
  - Überschrift fehlt
- Anleitungen müssen vollständig und nachvollziehbar sein
  → Befolgen der Anleitung muss zu dem gewünschten ERgebnis führen
  - check
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
  - check
- Zu jeder Erklärung muss es ein Beispiel geben
  - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
  - check
- Jedes Feature hat seine eigene Seite im Wiki
  - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
  - check

Abbildung A.37.: Calculating unannounced meals

Review der Wikiseite 'Calculating unannounced meals'

- Alle Seiten sind in korrekter englischer Sprache verfasst
  - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
  - check, siehe Home
- Jede Seite besitzt eine Table of Content
  - check
- Anleitungen müssen vollständig und nachvollziehbar sein
  → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
  - check (keine Anleitung vorhanden, da dies eine rein informative Seite ist)
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
  - check
- Zu jeder Erklärung muss es ein Beispiel geben
  - check (keine Erklärung/Anleitung vorhanden, daher auch kein Beispiel nötig)
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
  - check
- Jedes Feature hat seine eigene Seite im Wiki
  - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
  - check

Abbildung A.38.: Checklist Pull Request Review

Review der Wikiseite 'Checklist Pull Request Review'

- Alle Seiten sind in korrekter englischer Sprache verfasst
    - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
    - check, siehe Home
- Jede Seite besitzt eine Table of Content
    - nicht vorhanden, da eine Table of Content hier nicht sinnvoll wäre
- Anleitungen müssen vollständig und nachvollziehbar sein
    → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
        - check (keine Anleitung vorhanden, da es sich um eine Checkliste handelt)
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
    - check
- Zu jeder Erklärung muss es ein Beispiel geben
    - check (keine Anleitung vorhanden, daher auch kein Beispiel)
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
    - check, keine Verlinkungen vorhanden
- Jedes Feature hat seine eigene Seite im Wiki
    - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
    - check

Abbildung A.39.: Implementing a new algorithm, abgelehnt

Review der Wikiseite 'Implementing a new algorithm'

- Alle Seiten sind in korrekter englischer Sprache verfasst
    - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
    - check, siehe Home
- Jede Seite besitzt eine Table of Content
    - check
- Anleitungen müssen vollständig und nachvollziehbar sein
    → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
        - Anleitung für die Initialisierung in der Main-Klasse fehlt
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
    - check
- Zu jeder Erklärung muss es ein Beispiel geben
    - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
    - check
- Jedes Feature hat seine eigene Seite im Wiki
    - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
    - check

Abbildung A.40.: Implementing a new algorithm

Review der Wikiseite 'Implementing a new algorithm'

- Alle Seiten sind in korrekter englischer Sprache verfasst
    - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
    - check, siehe Home
- Jede Seite besitzt eine Table of Content
    - check
- Anleitungen müssen vollständig und nachvollziehbar sein
  → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
    - check
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
    - check
- Zu jeder Erklärung muss es ein Beispiel geben
    - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
    - check
- Jedes Feature hat seine eigene Seite im Wiki
    - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
    - check

Abbildung A.41.: Implementing a new data provider, abgelehnt

Review der Wikiseite 'Implementing a new data provider'

- Alle Seiten sind in korrekter englischer Sprache verfasst
    - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
    - check, siehe Home
- Jede Seite besitzt eine Table of Content
    - check
- Anleitungen müssen vollständig und nachvollziehbar sein
  → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
    - Anleitung für die Initialisierung in der Main-Klasse fehlt
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
    - check
- Zu jeder Erklärung muss es ein Beispiel geben
    - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
    - check
- Jedes Feature hat seine eigene Seite im Wiki
    - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
    - check

Abbildung A.42.: Implementing a new data provider

Review der Wikiseite 'Implementing a new data provider'

- Alle Seiten sind in korrekter englischer Sprache verfasst
    - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
    - check, siehe Home
- Jede Seite besitzt eine Table of Content
    - check
- Anleitungen müssen vollständig und nachvollziehbar sein
    → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
    - check
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
    - check
- Zu jeder Erklärung muss es ein Beispiel geben
    - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
    - check
- Jedes Feature hat seine eigene Seite im Wiki
    - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
    - check

Abbildung A.43.: Mapping Nightscout Data on to VaultEntry data, abgelehnt

Review der Wikiseite 'Mapping Nightscout data on to VaultEntry data'

- Alle Seiten sind in korrekter englischer Sprache verfasst
    - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
    - check, siehe Home
- Jede Seite besitzt eine Table of Content
    - nicht vorhanden
- Anleitungen müssen vollständig und nachvollziehbar sein
    → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
    - check, keine Anleitung vorhanden, da die Seite nur zur Dokumentation dient
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
    - check
- Zu jeder Erklärung muss es ein Beispiel geben
    - check, keine Anleitung vorhanden und somit auch kein Beispiel
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
    - check
- Jedes Feature hat seine eigene Seite im Wiki
    - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
    - check

Abbildung A.44.: Mapping Nightscout Data on to VaultEntry data

Review der Wikiseite 'Mapping Nightscout data on to VaultEntry data'

- Alle Seiten sind in korrekter englischer Sprache verfasst
  - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
  - check, siehe Home
- Jede Seite besitzt eine Table of Content
  - check
- Anleitungen müssen vollständig und nachvollziehbar sein
  → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
  - check, keine Anleitung vorhanden, da die Seite nur zur Dokumentation dient
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
  - check
- Zu jeder Erklärung muss es ein Beispiel geben
  - check, keine Anleitung vorhanden und somit auch kein Beispiel
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
  - check
- Jedes Feature hat seine eigene Seite im Wiki
  - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
  - check

Abbildung A.45.: Nightscout API

Review der Wikiseite 'Nightscout API'

- Alle Seiten sind in korrekter englischer Sprache verfasst
  - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
  - check, siehe Home
- Jede Seite besitzt eine Table of Content
  - check
- Anleitungen müssen vollständig und nachvollziehbar sein
  → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
  - check
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
  - check
- Zu jeder Erklärung muss es ein Beispiel geben
  - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
  - check
- Jedes Feature hat seine eigene Seite im Wiki
  - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
  - check

Abbildung A.46.: Setting up a local Nightscout Server

Review der Wikiseite 'Setting up a local Nightscout Server'

- Alle Seiten sind in korrekter englischer Sprache verfasst
  - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
  - check, siehe Home
- Jede Seite besitzt eine Table of Content
  - check
- Anleitungen müssen vollständig und nachvollziehbar sein
  → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
  - check
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
  - check
- Zu jeder Erklärung muss es ein Beispiel geben
  - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
  - check
- Jedes Feature hat seine eigene Seite im Wiki
  - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
  - check

Abbildung A.47.: Synchronizer

Review der Wikiseite 'Synchronizer'

- Alle Seiten sind in korrekter englischer Sprache verfasst
  - check
- Am Anfang befindet sich eine Einleitung, die in das Projekt einführt
  - check, siehe Home
- Jede Seite besitzt eine Table of Content
  - check
- Anleitungen müssen vollständig und nachvollziehbar sein
  → Befolgen der Anleitung muss zu dem gewünschten Ergebnis führen
  - check
- Alle relevanten Argumente/Spezifikationen müssen angegeben und erklärt sein
  - check
- Zu jeder Erklärung muss es ein Beispiel geben
  - check
- Leiten Verlinkungen zu den gewünschten Stellen korrekt weiter
  - check
- Jedes Feature hat seine eigene Seite im Wiki
  - check
- Jedes Feature wird am Anfang seiner Seite kurz erklärt
  - check

A.6 Tests

A.6.1 Unit Tests und Coverage

Die vollständige Liste aller Tests ist in Bild A.48 nachzuvollziehen. Die Code-Coverage der Tests wurde zu unterschiedlichen Zeitpunkten aber insbesondere bei den verschiedenen Pull-Request-Reviews überprüft. Beispiele können in den folgenden Bildern nachvollzogen werden: A.4, A.6, A.9, A.12, A.12, A.15, A.20, A.22, A.24

Ziel der Coverage war es für alle API-Methoden 100% Methoden-Abdeckung zu erreichen. Nicht abgedeckte Zeilen sind vor allem `try-catch`-Blöcke für Sonderfälle wie unzeichende Dateizugriffs-Rechte, Serverprobleme etc. welche nicht zuverlässig mit Unit Tests testbar waren. Zusätzlich wurden die „Main" Klassen und der Plotter nicht mit Unit Tests getestet sondern die funktionalen Anforderungen mit manuellen Tests überprüft.

A.6.2 Tests der Algorithmen

Die Unit Tests der Algorithmen sind zur Beurteilung der Qualität der Algorithmen nicht sehr aussagekräftig, viel wichtiger war anhand von anonymisierten Daten zu ermitteln wie groß der jeweilige Fehler der errechneten Mahlzeiten und der daraus resultierenden Blutzuckerkurve ist. Die Fehlertoleranz hierfür wurde uns vom Auftraggeber vorgegeben (10% Fehler über einen Zeitraum von sechs Stunden relativ zur echten Blutzuckerkurve). Diese Toleranz kann aber nicht für automatische Tests verwendet werden, da in den Testdaten sowohl Messfehler vorhanden sind, als auch größere Zeitsprünge, welche das Ergebnis verfälschen. Dies bedeutet dass Tests auf echten Daten immer manuell beurteilt werden mussten.

Anhand der entstandenen Statistiken konnten wir schnell beurteilen welche Ansätze vielversprechende Resultate bringen werden und welche Ansätze nicht weiter verfolgt werden mussten, da sie wahrscheinlich nie die geforderten Kriterien erfüllen würden. So hatte zum Beispiel die anfangs noch vielversprechende Idee, das Rauschen in den Daten mit einem Filter zu minimieren, im Endergebnis einen gegenteiligen Effekt.

Trotzdem wurde für sämtliche Schritte der den Algorithmen zu Grunde liegenden mathematischen Modelle Unit Tests geschrieben (Beispiel: TestPredictions.java A.6.3).

Beispielhafte Testergebnisse: A.29, A.30, A.31

A.6.3 Test Beispiele

TestPredictions.java

```
1  /**
2   * Verwendet drei Mahlzeiten und drei Zeitpunkte und berechnet fuer alle
         Mahlzeiten zu allen Zeiten die Ableitungen
3   * zur Groesse der Mahlzeit und zum Startpunkt der Mahlzeit. Das gewuenschte
         Ergebnis wurde zuvor per Hand berechnet
4   * und hier wird ueberprueft, dass die Implementation der Funktion das selbe
         Ergebnis liefert.
5   */
6  @Test
```

```java
public void jacobiTest() {
    RealVector mealValues = new ArrayRealVector(new double[]{30.0, 20.0, 10.0});
    RealVector mealTimes = new ArrayRealVector(new double[]{0, 40, 100});
    RealVector testTimes = new ArrayRealVector(new double[]{10, 50, 120});

    RealMatrix result = Predictions.jacobi(testTimes, mealTimes, mealValues,
        sens, carbRatio, absorptionTime);

    // erster Zeitpunkt
    assertEquals(-7.0 / 24.0, result.getEntry(0, 0), 1e-15);    // nach Zeitpunkt
        der ersten Mahlzeit abgeleitet
    assertEquals(0, result.getEntry(0, 1));                     // nach Zeitpunkt
        der zweiten Mahlzeit abgeleitet
    assertEquals(0, result.getEntry(0, 2));                     // nach Zeitpunkt
        der dritten Mahlzeit abgeleitet
    // zweiter Zeitpunkt
    assertEquals(-35.0 / 24.0, result.getEntry(1, 0), 1e-15);   // usw...
    assertEquals(-7.0 / 36.0, result.getEntry(1, 1), 1e-15);
    assertEquals(0, result.getEntry(1, 2));
    // dritter Zeitpunkt
    assertEquals(0, result.getEntry(2, 0));
    assertEquals(-7.0 / 9.0, result.getEntry(2, 1), 1e-15);
    assertEquals(-7.0 / 36.0, result.getEntry(2, 2), 1e-15);

    // erster Zeitpunkt
    assertEquals(7.0 / 144.0, result.getEntry(0, 3), 1e-15);    // nach Groesse
        der ersten Mahlzeit abgeleitet
    assertEquals(0, result.getEntry(0, 4));                     // nach Groesse
        der zweiten Mahlzeit abgeleitet
    assertEquals(0, result.getEntry(0, 5));                     // nach Groesse
        der dritten Mahlzeit abgeleitet
    // zweiter Zeitpunkt
    assertEquals(175.0 / 144.0, result.getEntry(1, 3), 1e-15);  // usw...
    assertEquals(7.0 / 144.0, result.getEntry(1, 4), 1e-15);
    assertEquals(0, result.getEntry(1, 5));
    // dritter Zeitpunkt
    assertEquals(35.0 / 10.0, result.getEntry(2, 3));
    assertEquals(49.0 / 18.0, result.getEntry(2, 4), 1e-15);
    assertEquals(7.0 / 36.0, result.getEntry(2, 5), 1e-15);
}

/**
 * Tested die gleiche Funktion wie der vorherige Test mit zufaellig generierten
 * Datenpunkten. Zur Berechnung des erwarteten Ergebnis wird die unten stehende
 * private Funktion verwendet.
 */
@Test
public void randomJacobiTest() {
    int sizeTimes = 3 + random.nextInt(3);
    RealVector testTimes = new ArrayRealVector(sizeTimes);

    int sizeMeals = 1 + random.nextInt(3);
    RealVector mealValues = new ArrayRealVector(sizeMeals);
    RealVector mealTimes = new ArrayRealVector(sizeMeals);
```

```java
       int oldDate = 0;
       for (int i = 0; i < sizeTimes; i++) {
           int newDate = 1 + random.nextInt(120) + oldDate;
           testTimes.setEntry(i, newDate);
           oldDate = newDate;
       }
       oldDate = 0;

       for (int i = 0; i < sizeMeals; i++) {
           int newDate = 1 + random.nextInt(120) + oldDate;
           mealTimes.setEntry(i, newDate);
           mealValues.setEntry(i, 1 + random.nextInt(50));
           oldDate = newDate;
       }
       RealMatrix result = Predictions.jacobi(testTimes, mealTimes, mealValues,
           sens, carbRatio, absorptionTime);
       for (int i = 0; i < sizeMeals; i++) {
           RealVector r = result.getColumnVector(i);
           assertEquals(sizeTimes, r.getDimension());
           for (int j = 0; j < sizeTimes; j++) {
               assertEquals(cob_dtMeal(testTimes.getEntry(j), mealTimes.getEntry(i),
                   mealValues.getEntry(i), sens, carbRatio, absorptionTime),
                   r.getEntry(j));
           }
       }
       for (int i = 0; i < sizeMeals; i++) {
           RealVector r = result.getColumnVector(i + sizeMeals);
           assertEquals(sizeTimes, r.getDimension());
           for (int j = 0; j < sizeTimes; j++) {
               assertEquals(sens / carbRatio *
                   Predictions.carbsOnBoard(testTimes.getEntry(j) -
                   mealTimes.getEntry(i), absorptionTime), r.getEntry(j));
           }
       }
   }
}

private static double cob_dtMeal(double time, double mealTime, double
   carbsAmount, double insSensitivityFactor, double carbRatio, long
   absorptionTime) {
   double c = insSensitivityFactor / carbRatio * carbsAmount * 4 /
       absorptionTime;
   double deltaTime = time - mealTime;
   if (deltaTime < 0 || deltaTime > absorptionTime) {
       return 0;
   } else if (deltaTime < absorptionTime / 2.0) {
       return -c * deltaTime / absorptionTime;
   } else if (deltaTime >= absorptionTime / 2.0) {
       return c * (deltaTime / absorptionTime - 1);
   }
   return 0;
}
```

NSApiTest.java

```java
/**
```

```
 2    * Testet den DataCursor mit einer zufaelligen batchSize und verschiedenen
          Startpunkten
 3    */
 4   @ParameterizedTest
 5   @ValueSource(ints = {5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60})
 6   void testDataCursor(int minutesPast) throws NightscoutIOException,
        NightscoutServerException {
 7       ZonedDateTime latest = ZonedDateTime.now().minus(minutesPast,
            ChronoUnit.MINUTES);
 8       ZonedDateTime oldest = ZonedDateTime.parse("2017-01-01T00:00:00.000Z");
 9       int batchSize = 20 + random.nextInt(100);
10
11       // get entries ueber direkten API Aufruf
12       List<VaultEntry> expected = api.getEntries(latest, oldest, batchSize);
13
14       // Sammle entries in selbem Zeitraum mit DataCursor
15       DataCursor cursor = new DataCursor(api, "entries", "dateString", latest,
            oldest, batchSize / 2);
16       List<JsonObject> actual = new ArrayList<>();
17       while (cursor.hasNext()) {
18           actual.add(cursor.next());
19       }
20
21       // Ueberpruefe, dass gleich viele Daten gefunden wurden.
22       assertEquals(expected.size(), actual.size());
23   }
24
25   /**
26    * Testet den GET und POST Endpunkt der "uam" API.
27    */
28   @Test
29   void testUnannouncedMeals() throws NightscoutIOException,
        NightscoutServerException {
30       // check that uam plugin is enabled
31       assumeTrue(api.isPluginEnabled("uam"));
32
33       // start somewhere in the last month
34       long start = System.currentTimeMillis() - (1 + (random.nextInt(30 * 24)) * 60
            * 60 * 1000);
35       // generate entries every five minutes
36       Supplier<Date> dates = createDateSupplier(start, 5 * 60 * 1000);
37       // generate 10 random meals
38       List<VaultEntry> uams = random.ints(10, 1, 100)
39               .mapToObj(i -> new VaultEntry(VaultEntryType.MEAL_MANUAL,
                    dates.get(), i))
40               .collect(Collectors.toList());
41
42       // split into three batches
43       api.postUnannouncedMeals(uams, this.getClass().getName(), 4);
44
45       SimpleDateFormat format = NSApi.createSimpleDateFormatTreatment();
46       GetBuilder builder = api.getUnannouncedMeals()
47               .find("created_at").lte(format.format(uams.get(0).getTimestamp()))
48               .find("created_at").gte(format.format(uams.get(uams.size() -
                    1).getTimestamp()))
```

```
49              .count(100);       // in case there are other random uams from previous
                       tests in this time
50      List<VaultEntry> newUams = builder.getUnannouncedMeals();
51
52      // assert all entries are found (or more)
53      assertTrue(newUams.size() >= uams.size());
54      if (newUams.size() > uams.size()) {
55          // if more entries are found test them individually
56          for (VaultEntry e : uams) {
57              assertTrue(newUams.contains(e));
58          }
59      } else {
60          // else the collections have to be equal
61          assertIterableEquals(uams, newUams);
62      }
63  }
64
65  /**
66   * Creates a supplier that produces dates in descending order.
67   *
68   * @param start time of first date
69   * @param step  time between dates
70   */
71  private Supplier<Date> createDateSupplier(long start, long step) {
72      return new Supplier<Date>() {
73          long current = start;
74
75          @Override
76          public Date get() {
77              Date date = TimestampUtils.createCleanTimestamp(new Date(current));
78              current -= step;
79              return date;
80          }
81      };
82  }
```

AdjustBasalTreatmentsTest.java

```
1  /**
2   * Testet, dass nach Ausfuehrung von adjustBasalTreatments() keine
        ueberschneidungen von Basal Treatments mehr vorhanden sind.
3   * Dafuer werden am Anfang bis zu 30 zufaellige Basal Treatments generiert, die
        alle die Moeglichkeit haben sich um zufaellige Zeitraeume zu ueberschneiden.
4   */
5  @Test
6  public void testRandomDuration() {
7      List<VaultEntry> testList = new ArrayList<>();
8      Random random = new Random();
9      int size = 1 + random.nextInt(30);
10     Date date = new Date(0);
11     for (int i = 0; i < size; i++) {
12         date = new Date(date.getTime() + ((1 + random.nextInt(12)) * 5 *
               ONE_MINUTE)); // in steps of 5 min
13         VaultEntry entry = new VaultEntry(VaultEntryType.BASAL_MANUAL, date,
               random.nextDouble() * 100, random.nextInt(6) * 10);
14         testList.add(entry);
```

```java
15      }
16
17      List<VaultEntry> resultList = BasalCalculatorTools.adjustBasalTreatments(new
            ArrayList<>(testList));
18      assertEquals(testList.size(), resultList.size());
19
20      for (int i = 0; i < size - 1; i++) {
21          long deltaTime = ((testList.get(i + 1).getTimestamp().getTime() -
                testList.get(i).getTimestamp().getTime()) / ONE_MINUTE);
22          if (testList.get(i).getValue2() > deltaTime) {
23              assertEquals(deltaTime, resultList.get(i).getValue2());
24              assertEquals(testList.get(i).getValue() *
                    resultList.get(i).getValue2() / testList.get(i).getValue2(),
                    resultList.get(i).getValue(), DELTA);
25          } else {
26              assertEquals(testList.get(i).getValue2(),
                    resultList.get(i).getValue2());
27              assertEquals(testList.get(i).getValue(),
                    resultList.get(i).getValue(), DELTA);
28          }
29          assertEquals(testList.get(i).getTimestamp().getTime(),
                resultList.get(i).getTimestamp().getTime());
30      }
31      assertEquals(testList.get(size - 1).getValue2(), resultList.get(size -
            1).getValue2());
32      assertEquals(testList.get(size - 1).getValue(), resultList.get(size -
            1).getValue(), DELTA);
33      assertEquals(testList.get(size - 1).getTimestamp().getTime(),
            resultList.get(size - 1).getTimestamp().getTime());
34  }
35
36  /**
37   * Testet, dass adjustBasalTreatments() bei Uebergabe von falschen oder
         unsortierten Treatments eine IllegalArgumentException wirft.
38   */
39  @Test
40  public void testExceptions() {
41      //not sorted
42      List<VaultEntry> testList = new ArrayList<>();
43      testList.add(new VaultEntry(VaultEntryType.BASAL_MANUAL, new Date(1000000),
            2, 30));
44      testList.add(new VaultEntry(VaultEntryType.BASAL_MANUAL, new Date(0), 2, 30));
45
46      assertThrows(IllegalArgumentException.class, () ->
            BasalCalculatorTools.adjustBasalTreatments(testList));
47
48      testList.add(new VaultEntry(VaultEntryType.BASAL_MANUAL, new Date(2000000),
            2, 30));
49      assertThrows(IllegalArgumentException.class, () ->
            BasalCalculatorTools.adjustBasalTreatments(testList));
50
51      //wrong type
52      List<VaultEntry> testList2 = new ArrayList<>();
53      testList2.add(new VaultEntry(VaultEntryType.BOLUS_NORMAL, new Date(0), 2,
            30));
```

```
54
55        assertThrows(IllegalArgumentException.class, () ->
              BasalCalculatorTools.adjustBasalTreatments(testList2));
56
57        testList2.add(new VaultEntry(VaultEntryType.BOLUS_NORMAL, new Date(2000000),
              2, 30));
58        assertThrows(IllegalArgumentException.class, () ->
              BasalCalculatorTools.adjustBasalTreatments(testList2));
59  }
```

BasalCalcDifferenceTest.java

```
1   /**
2    * Erstellt Profil mit zufaelligen Basalraten um 00:00 und 00:30 Uhr. Erstellt
          drei zufaellige Basal Treatments
3    * von welchen das erste im ersten Basal Profil, das zweite in beiden, und das
          dritte nur im zweiten Profil liegen.
4    * Es wird getestet, dass die Methode calcBasalDifference() die Basal Treatments
          und Basal Profile korrekt miteinander verrechnet.
5    * Dann wird ueberprueft, dass die Methode korrekt mit Treatments umgeht, die von
          einem Tag in den naechsten reichen und
6    * dass Treatments mit einer Laenge von 0 Minuten entfernt werden.
7    */
8   @Test
9   public void testCalcTemp() {
10      Random random = new Random();
11      List<Profile.BasalProfile> basalProfiles = new ArrayList<>();
12      double profileRate1 = random.nextDouble();
13      double profileRate2 = random.nextDouble();
14      basalProfiles.add(new Profile.BasalProfile(LocalTime.of(0, 0), profileRate1));
15      basalProfiles.add(new Profile.BasalProfile(LocalTime.of(0, 30),
              profileRate2));
16      Profile profile = new Profile(ZoneId.of("Zulu"), 0, 0, basalProfiles);
17
18      List<VaultEntry> testTreatments = new ArrayList<>();
19      testTreatments.add(new VaultEntry(VaultEntryType.BASAL_MANUAL, new Date(0),
              random.nextDouble() * 5, 20));
20      testTreatments.add(new VaultEntry(VaultEntryType.BASAL_MANUAL, new Date(20 *
              ONE_MINUTE), random.nextDouble() * 5, 20));
21      testTreatments.add(new VaultEntry(VaultEntryType.BASAL_MANUAL, new Date(40 *
              ONE_MINUTE), random.nextDouble() * 5, 20));
22      List<VaultEntry> result =
              BasalCalculatorTools.calcBasalDifference(testTreatments, profile);
23
24      assertEquals(4, result.size());
25      VaultEntry entry = testTreatments.get(0);
26      VaultEntry resBasal = result.get(0);
27      assertEquals(entry.getValue2(), resBasal.getValue2());
28      assertEquals(entry.getTimestamp().getTime(),
              resBasal.getTimestamp().getTime());
29      assertEquals(entry.getValue() / 20 - profileRate1 / 60, resBasal.getValue(),
              DELTA);
30
31      entry = testTreatments.get(1);
32      resBasal = result.get(1);
33      assertEquals(entry.getValue2() / 2, resBasal.getValue2());
```

```java
34      assertEquals(entry.getTimestamp().getTime(),
            resBasal.getTimestamp().getTime());
35      assertEquals(entry.getValue() / 20 - profileRate1 / 60, resBasal.getValue(),
            DELTA);
36
37      resBasal = result.get(2);
38      assertEquals(entry.getValue2() / 2, resBasal.getValue2());
39      assertEquals(entry.getTimestamp().getTime() + 10 * ONE_MINUTE,
            resBasal.getTimestamp().getTime());
40      assertEquals(entry.getValue() / 20 - profileRate2 / 60, resBasal.getValue(),
            DELTA);
41
42      entry = testTreatments.get(2);
43      resBasal = result.get(3);
44      assertEquals(entry.getValue2(), resBasal.getValue2());
45      assertEquals(entry.getTimestamp().getTime(),
            resBasal.getTimestamp().getTime());
46      assertEquals(entry.getValue() / 20 - profileRate2 / 60, resBasal.getValue(),
            DELTA);
47
48      testTreatments = new ArrayList<>();
49      testTreatments.add(new VaultEntry(VaultEntryType.BASAL_MANUAL, new Date(), 0,
            0));
50      result = BasalCalculatorTools.calcBasalDifference(testTreatments, profile);
51      assertEquals(0, result.size());
52
53      testTreatments = new ArrayList<>();
54      testTreatments.add(new VaultEntry(VaultEntryType.BASAL_MANUAL, new Date((24 *
            60 * ONE_MINUTE) - (10 * ONE_MINUTE)), random.nextDouble(), 20));
55      result = BasalCalculatorTools.calcBasalDifference(testTreatments, profile);
56      assertEquals(2, result.size());
57      entry = testTreatments.get(0);
58      resBasal = result.get(0);
59      assertEquals(entry.getValue2() / 2, resBasal.getValue2());
60      assertEquals(entry.getTimestamp().getTime(),
            resBasal.getTimestamp().getTime());
61      assertEquals(entry.getValue() / 20 - profileRate2 / 60, resBasal.getValue(),
            DELTA);
62
63      resBasal = result.get(1);
64      assertEquals(entry.getValue2() / 2, resBasal.getValue2());
65      assertEquals(entry.getTimestamp().getTime() + 10 * ONE_MINUTE,
            resBasal.getTimestamp().getTime());
66      assertEquals(entry.getValue() / 20 - profileRate1 / 60, resBasal.getValue(),
            DELTA);
67  }
```

Abbildung A.48.: All Tests

A.7 Code Beispiele

A.7.1 DataCursor

Der `DataCursor` kann benutzt werden um durch Nightscout Daten zu iterieren. Der Cursor
lädt die Daten dafür in einen internen Puffer, der automatisch aufgefüllt wird. Der Nightscout
Server gibt Daten immer in absteigender Reihenfolge sortiert nach Datum zurück, weswegen
der `DataCursor` von einem `latest` Zeitpunkt absteigend zu einem `oldest` Zeitpunkt durch die
Daten iteriert. Alle Nightscout API Pfade, welche bei einem HTTP GET Request ein Array an Da-
ten zurück geben, können benutzt werden, solange die zurückgegebenen Daten ein Datumsfeld
beinhalten.

DataCursor.java

```java
/**
 * A buffer for Nightscout data. Lazily loads objects from the server as needed.
 *    The internal buffer is refreshed
 * if it runs out of objects until the server does not return any more data.
 */
public class DataCursor implements Iterator<JsonElement> {
    private final NSApi api;
    private final String path;
    private final String dateField;
    private final String oldest;
    private final int batchSize;

    private final LinkedBlockingQueue<JsonObject> buffer;
    private String current;
    private boolean first;
    private boolean finished;

    /**
     * Creates a new cursor. Latest and oldest point in time are formatted using
     *      the {@link NSApi#DATETIME_PATTERN_ENTRY} pattern.
     *
     * @param api       Nightscout API instance
     * @param path      API path used with {@link NSApi#createGet(String)}. Has
     *     to return an array of json objects.
     * @param dateField the name of the field which holds information about the
     *      date and time of your data object
     * @param latest    latest point in time to load data for
     * @param oldest    oldest point in time to load data for
     * @param batchSize amount of entries which will be loaded at once
     */
    public DataCursor(NSApi api, String path, String dateField, TemporalAccessor
        latest, TemporalAccessor oldest, int batchSize) {
        this(api, path, dateField, latest, oldest, batchSize,
            NSApi.DATETIME_FORMATTER_ENTRY);
    }

    /**
     * Creates a new cursor.
     *
```

```java
 34         * @param api        Nightscout API instance
 35         * @param path        API path used with {@link NSApi#createGet(String)}. Has
 36         *        to return an array of json objects.
 36         * @param dateField the name of the field which holds information about the
 37         *        date and time of your data object
 37         * @param latest      latest point in time to load data for
 38         * @param oldest      oldest point in time to load data for
 39         * @param batchSize amount of entries which will be loaded at once
 40         * @param formatter DateTimeFormatter used to format latest and oldest point
 40         *        in time
 41         */
 42        public DataCursor(NSApi api, String path, String dateField, TemporalAccessor
              latest, TemporalAccessor oldest, int batchSize, DateTimeFormatter
              formatter) {
 43            this.api = api;
 44            this.path = path;
 45            this.dateField = dateField;
 46            this.oldest = formatter.format(oldest);
 47            this.batchSize = batchSize;

 49            this.buffer = new LinkedBlockingQueue<>(batchSize);
 50            this.current = formatter.format(latest);
 51            this.first = true;
 52            this.finished = false;
 53        }

 55        /**
 56         * Checks if there is more data. May block the thread to request new data
 56         *        from the Nightscout server.
 57         * Logs exceptions using {@link NSApi#LOGGER}.
 58         *
 59         * @return true if there is more data
 60         */
 61        @Override
 62        public boolean hasNext() {
 63            if (buffer.size() > 0)
 64                return true;
 65            if (finished)
 66                return false;
 67            try {
 68                GetBuilder builder = api.createGet(path);
 69                // use lte on first fetch, lt for all remaining requests.
 70                if (first) {
 71                    builder.find(dateField).lte(current);
 72                    first = false;
 73                } else builder.find(dateField).lt(current);
 74                // finish request
 75                JsonArray array = builder
 76                        .find(dateField).gte(oldest)
 77                        .count(batchSize)
 78                        .getRaw().getAsJsonArray();
 79                array.forEach(e -> buffer.offer(e.getAsJsonObject()));
 80                // we are done if the returned array has less data then the batch size
 81                if (array.size() < batchSize)
 82                    finished = true;
```

```
83          else current = array.get(array.size() −
                 1).getAsJsonObject().get(dateField).getAsString();

84
85          return array.size() > 0;
86      } catch (NightscoutIOException | NightscoutServerException |
            IllegalStateException e) {
87          LOGGER.log(Level.SEVERE, e, e::getMessage);
88          return false;
89      }
90   }

91
92   /**
93    * Gets the next object of the current buffer. Note that this method will
           never block, but may return null if not
94    * used in conjunction with {@link this#hasNext()} as the buffer will only be
           refreshed by that method.
95    *
96    * @return the next entry parsed as some kind of json element.
97    */
98   @Override
99   public JsonObject next() {
100          return buffer.poll();
101      }
102 }
```

A.7.2 NightscoutImporter

Der `NightscoutImporter` importiert Nightscout Daten und erzeugt eine Liste von `VaultEntry`
Objekten. Er implementiert dabei die vom Auftraggeber vorgegebene `Importer` Klasse.

NightscoutImporter.java

```
1   /**
2    * Imports JSON objects from a Nightscout server as {@link VaultEntry}s.
3    */
4   public class NightscoutImporter extends Importer {
5       private final NightscoutImporterOptions options;
6       private final JsonParser json;

7
8       public NightscoutImporter() {
9           this(new NightscoutImporterOptions());
10      }

11
12      public NightscoutImporter(NightscoutImporterOptions options) {
13          super(options);
14          this.options = options;
15          this.json = new JsonParser();
16      }

17
18      /**
19       * Parses the source as a nightscout json representation of vault entries.
              Expects an array of json objects.
20       * If an object in the array contains information for multiple vault entry
              types, it will be split up into individual entries.
```

```java
21          * Currently supports the following entries: {@link
               VaultEntryType#GLUCOSE_CGM}, {@link VaultEntryType#BOLUS_NORMAL},
22          * {@link VaultEntryType#MEAL_MANUAL} and {@link VaultEntryType#BASAL_MANUAL}.
23          *
24          * @param source Data source.
25          * @return list of generated vault entries. May contain more entries than the
               source did.
26          * @throws NightscoutDataException if the given source is not formatted
               correctly
27          */
28         @Override
29         public List<VaultEntry> importData(InputStream source) {
30             Reader reader = new InputStreamReader(source);
31             JsonElement element;
32             try {
33                 element = json.parse(reader);
34             } catch (JsonParseException e) {
35                 throw new NightscoutDataException("exception while reading data", e);
36             }
37
38             if (!element.isJsonArray())
39                 throw new NightscoutDataException("source is not an array");
40
41             List<VaultEntry> entries = new ArrayList<>();
42             try {
43                 for (JsonElement e : element.getAsJsonArray()) {
44                     JsonObject o = e.getAsJsonObject();
45                     boolean valid = false;
46
47                     // BG measurements
48                     if (o.has("type") && o.get("type").getAsString().equals("sgv")) {
49                         Date date = TimestampUtils.createCleanTimestamp(new
                             Date(o.get("date").getAsLong()));
50                         entries.add(new VaultEntry(VaultEntryType.GLUCOSE_CGM, date,
                             o.get("sgv").getAsDouble()));
51                         valid = true;
52                     }
53
54                     // insulin bolus
55                     if (o.has("insulin") && !o.get("insulin").isJsonNull()) {
56                         Date date = makeDate(o.get("timestamp").getAsString());
57                         entries.add(new VaultEntry(VaultEntryType.BOLUS_NORMAL, date,
                             o.get("insulin").getAsDouble()));
58                         valid = true;
59                     }
60
61                     // meals
62                     if (o.has("carbs") && !o.get("carbs").isJsonNull()) {
63                         Date date = makeDate(o.get("timestamp").getAsString());
64                         entries.add(new VaultEntry(VaultEntryType.MEAL_MANUAL, date,
                             o.get("carbs").getAsDouble()));
65                         valid = true;
66                     }
67
68                     // basal
```

```
69          if (o.has("eventType") &&
                o.get("eventType").getAsString().equals("Temp Basal")) {
70              Date date = makeDate(o.get("timestamp").getAsString());
71              entries.add(new VaultEntry(VaultEntryType.BASAL_MANUAL, date,
                    o.get("rate").getAsDouble(),
                    o.get("duration").getAsDouble()));
72              valid = true;
73          }
74          if (!valid) {
75              if (options.requireValidData())
76                  throw new NightscoutDataException("invalid source data,
                        could not identify vault entry type");
77              else NSApi.LOGGER.log(Level.WARNING, "Could not parse JSON
                    Object: " + o.toString());
78          }
79      }
80  } catch (NumberFormatException | IllegalStateException |
        NullPointerException e) {
81      throw new NightscoutDataException("invalid source data", e);
82  }
83  return entries;
84  }


/**
 * Converts a date and time string to a {@link Date} object in local time.
 *   Strips seconds and milliseconds
 *
 * @param dateString ISO 8601 compliant date time string
 * @return local Date object representing the input with seconds and
 *   milliseconds set to zero
 */
private Date makeDate(String dateString) {
    TemporalAccessor t;
    try {
        t = DateTimeFormatter.ISO_DATE_TIME.parse(dateString);
    } catch (DateTimeParseException e) {
        throw new NightscoutDataException("invalid date string: " +
            dateString, e);
    }
    // dates are automatically converted to local time by the toInstant()
        method of ZonedDateTime
    Date date = Date.from(ZonedDateTime.from(t).toInstant());
    return TimestampUtils.createCleanTimestamp(date);
}
}
```

A.7.3 Predictions

Die `Predictions` Klasse ist eine Sammlung von Implementationen mathematischer Modelle die
den Algorithmen zu Grunde liegen.

<div align="center">Predictions.java</div>

```java
/**
 * Collection of mathematical prediction models
 */
public class Predictions {

    /**
     * Predicts the blood glucose value at a certain time using known meal,
     * bolus and basal treatments.
     *
     * @param time                  time in milliseconds since epoch start
     * @param mealTreatments        known meal treatments
     * @param bolusTreatments       known bolus treatments
     * @param basalTreatments       known basal treatments
     * @param insSensitivityFactor  insulin to blood glucose factor
     * @param insDuration           effective insulin duration
     * @param carbRatio             carb to insulin ratio
     * @param absorptionTime        carb absorption time
     * @param peak                  duration in minutes until insulin action
     *     reaches it's peak activity level
     * @return predicted blood glucose value
     */
    public static double predict(long time, List<VaultEntry> mealTreatments,
        List<VaultEntry> bolusTreatments, List<VaultEntry> basalTreatments, double
        insSensitivityFactor, double insDuration, double carbRatio, double
        absorptionTime, double peak) {
        double result = 0;
        for (VaultEntry meal : mealTreatments) {
            long deltaTime = Math.round((time - meal.getTimestamp().getTime()) /
                60000.0);  //Time in minutes
            if (deltaTime <= 0) {
                break;
            }
            result += deltaBGC(deltaTime, insSensitivityFactor, carbRatio,
                meal.getValue(), absorptionTime);
        }
        for (VaultEntry bolus : bolusTreatments) {
            long deltaTime = Math.round((time - bolus.getTimestamp().getTime()) /
                60000.0); //Time in minutes
            if (deltaTime <= 0) {
                break;
            }
            result += deltaBGI(deltaTime, bolus.getValue(), insSensitivityFactor,
                insDuration, peak);
        }
        for (VaultEntry basal : basalTreatments) {
            long deltaTime = Math.round((time - basal.getTimestamp().getTime()) /
                60000.0);       //Time in minutes
            if (deltaTime <= 0) {
                break;
            }
            result += deltatempBGI(deltaTime, basal.getValue(),
                insSensitivityFactor, insDuration, peak, 0, basal.getValue2());
        }

        return result;
```

```java
46          }
47
48          /**
49           * Calculates the percentage of carbs on board
50           *
51           * @param timeFromEvent   time in minutes from last meal
52           * @param absorptionTime time in minutes to absorb a hole meal
53           * @return percentage of carbs absorbed
54           */
55          public static double carbsOnBoard(double timeFromEvent, double
                  absorptionTime) {
56              double total;
57
58              if (timeFromEvent <= 0) {
59                  total = 0.0;
60              } else if (timeFromEvent >= absorptionTime) {
61                  total = 1.0;
62              } else if (timeFromEvent <= absorptionTime / 2.0) {
63                  total = 2.0 * (timeFromEvent * timeFromEvent) / (absorptionTime *
                      absorptionTime);
64              } else {
65                  total = -1.0 + 4.0 * timeFromEvent / absorptionTime - 2 *
                      timeFromEvent * timeFromEvent / (absorptionTime * absorptionTime);
66              }
67              return total;
68          }
69
70          /**
71           * Calculates the percentage of insulin on board
72           *
73           * @param timeFromEvent time in minutes from last meal
74           * @param insDuration    effective time of insulin in minutes
75           * @param peak           duration in minutes until insulin action reaches it's
                  peak activity level.
76           * @return percentage of insulin still on board
77           */
78          public static double fastActingIob(double timeFromEvent, double insDuration,
                  double peak) {
79              double IOBWeight;
80              if (timeFromEvent <= 0) {
81                  IOBWeight = 1;
82              } else if (timeFromEvent >= insDuration) {
83                  IOBWeight = 0;
84              } else {
85                  //Time constant of exp decay
86                  double decay = peak * (1 - peak / insDuration)
87                          / (1 - 2 * peak / insDuration);
88
89                  //Rise time factor
90                  double growth = 2 * decay / insDuration;
91
92                  //Auxiliary scale factor
93                  double scale = 1 / (1 - growth + (1 + growth) * Math.exp(-insDuration
                      / decay));
94
```

```java
            IOBWeight = 1 - scale * (1 - growth)
                    * (((timeFromEvent * timeFromEvent)
                    / (decay * insDuration * (1 - growth))
                    - timeFromEvent / decay - 1)
                    * Math.exp(-timeFromEvent / decay) + 1);

        }
        return IOBWeight;

    }

    /**
     * simpsons rule to integrate insulin on board.
     * https://github.com/Perceptus/GlucoDyn/blob/master/js/glucodyn/algorithms.js
     *
     * @param startTime      left border of integral - 0
     * @param endTime        right border of integral - duration of insulin event
     * @param insDuration    effective time of insulin in minutes
     * @param timeFromEvent  time in minutes since insulin event
     * @param peak           duration in minutes until insulin action reaches it's
     *          peak activity level.
     * @return
     */
    public static double integrateIob(double startTime, double endTime, double
        insDuration, double timeFromEvent, double peak) {
        double integral;
        double dx;
        int N = 25;
        int nn = 2 * N; //nn needs to be even

        //initialize with first and last terms of simpson series
        dx = (endTime - startTime) / nn;

        integral = fastActingIob((timeFromEvent - startTime), insDuration, peak)
                + fastActingIob(timeFromEvent - (startTime + nn * dx),
                    insDuration, peak);
        int ii = 1;
        while (ii < nn - 2) {
            integral = integral
                    + 4 * fastActingIob(timeFromEvent
                    - (startTime + ii * dx), insDuration, peak)
                    + 2 * fastActingIob(timeFromEvent
                    - (startTime + (ii + 1) * dx), insDuration, peak);
            ii = ii + 2;
        }

        integral = integral * dx / 3.0;
        return integral;
    }

    /**
     * Calculates how much your blood glucose level will change when given a
     *      basal insulin treatment.
     * All times are relative to each other.
     *
```

```java
146          * @param timeFromEvent        time in minutes since the event has started
147          * @param tempInsAmount        amount of basal insulin per minute given
148          * @param insSensitivityFactor insulin to blood glucose factor
149          * @param insDuration          effective insulin duration
150          * @param peak                 duration in minutes until insulin action
                 reaches it's peak activity level
151          * @param startTime            start of insulin event in minutes
152          * @param endTime              end of insulin event in minutes
153          * @return relative change of blood glucose level
154          */
155         public static double deltatempBGI(double timeFromEvent, double tempInsAmount,
                double insSensitivityFactor, double insDuration, double peak, double
                startTime, double endTime) {
156             return −tempInsAmount * insSensitivityFactor * ((endTime − startTime) −
                    integrateIob(startTime, endTime, insDuration, timeFromEvent, peak));
157         }
158
159         /**
160          * Calculates how much your blood glucose level will change when given a meal
                 treatment.
161          * All times are relative to each other.
162          *
163          * @param timeFromEvent        time in minutes since the event has started
164          * @param insSensitivityFactor insulin to blood glucose factor
165          * @param carbRatio            carb to insulin ratio
166          * @param carbsAmount          amount of carbs given
167          * @param absorptionTime       carb absorption time
168          * @return relative change of blood glucose level
169          */
170         public static double deltaBGC(double timeFromEvent, double
                insSensitivityFactor, double carbRatio, double carbsAmount, double
                absorptionTime) {
171             return insSensitivityFactor / carbRatio * carbsAmount *
                    Predictions.carbsOnBoard(timeFromEvent, absorptionTime);
172         }
173
174         /**
175          * Calculates how much your blood glucose level will change when given a
                 bolus insulin treatment.
176          * All times are relative to each other.
177          *
178          * @param timeFromEvent        time in minutes since the event has started
179          * @param insBolus             amount of bolus insulin given
180          * @param insSensitivityFactor insulin to blood glucose factor
181          * @param insDuration          effective insulin duration
182          * @param peak                 duration in minutes until insulin action
                 reaches it's peak activity level
183          * @return relative change of blood glucose level
184          */
185         public static double deltaBGI(double timeFromEvent, double insBolus, double
                insSensitivityFactor, double insDuration, double peak) {
186             return −insBolus * insSensitivityFactor * (1 −
                    fastActingIob(timeFromEvent, insDuration, peak));
187         }
188
```

```java
/**
 * Special case of prediction for all times in vector times. Calculates only
 * the influence of meals to compare to a nkbg curve. Used in LM algorithm.
 *
 * @param times                 Vector of times, where the blood glucose will
 *     be calculated
 * @param mealTimes             Vector of estimated meal times
 * @param mealValues            Vector of estimated meal values corresponding
 *     to the times
 * @param insSensitivityFactor  insulin to blood glucose factor
 * @param carbRatio             carb to insulin ratio
 * @param absorptionTime        carb absorption time
 * @return RealVector of blood glucose values due to meals over time
 */
public static RealVector cumulativeMealPredict(RealVector times, RealVector
    mealTimes, RealVector mealValues, double insSensitivityFactor, double
    carbRatio, long absorptionTime) {
    int N = mealTimes.getDimension();
    int Nt = times.getDimension();
    RealVector Y = new ArrayRealVector(Nt);
    for (int i = 0; i < N; i++) {
        double mealTime = mealTimes.getEntry(i);
        double carbsAmount = mealValues.getEntry(i);
        for (int j = 0; j < Nt; j++) {
            Y.addToEntry(j, deltaBGC(times.getEntry(j) − mealTime,
                insSensitivityFactor, carbRatio, carbsAmount, absorptionTime));
        }
    }
    return Y;
}

/**
 * Calculates the Jacobi matrix of the prediction function with regard to
 * all estimated meal times and values and calculated for all times in times
 *
 * @param times                 Vector of times, where the Jacoby matrix will
 *     be calculated
 * @param mealTimes             Vector of estimated meal times
 * @param mealValues            Vector of estimated meal values corresponding
 *     to the times
 * @param insSensitivityFactor  insulin to blood glucose factor
 * @param carbRatio             carb to insulin ratio
 * @param absorptionTime        carb absorption time
 * @return Jacobi matrix of the prediction function derived with regard to
 * all estimated meal times and values and calculated for all times in times
 */
public static RealMatrix jacobi(RealVector times, RealVector mealTimes,
    RealVector mealValues, double insSensitivityFactor, double carbRatio, long
    absorptionTime) {
    int N = mealTimes.getDimension();
    RealMatrix J = new Array2DRowRealMatrix(times.getDimension(), 2 * N);
    for (int i = 0; i < N; i++) {
        double mealTime = mealTimes.getEntry(i);
        double carbsAmount = mealValues.getEntry(i);
```

```java
234                 J.setColumn(i, carbsOnBoard_dtMeal(times, mealTime, carbsAmount,
                        insSensitivityFactor, carbRatio, absorptionTime));
235                 J.setColumn(i + N, carbsOnBoard_dx(times, mealTime,
                        insSensitivityFactor, carbRatio, absorptionTime));
236             }
237             return J;
238         }
239
240         /**
241          * Calculates the derivative of the prediction function with regard to the
                  meal time
242          *
243          * @param times                 Vector of times, where the derivative will be
                  calculated
244          * @param mealTime              Time of the meal
245          * @param carbsAmount           Value corresponding to the meal at time
                  mealTime
246          * @param insSensitivityFactor insulin to blood glucose factor
247          * @param carbRatio             carb to insulin ratio
248          * @param absorptionTime        carb absorption time
249          * @return one column of the Jacobi matrix derived with regard to mealTime
250          */
251         private static double[] carbsOnBoard_dtMeal(RealVector times, double
                mealTime, double carbsAmount, double insSensitivityFactor, double
                carbRatio, long absorptionTime) {
252             double[] cob_dtMeal = new double[times.getDimension()];
253             double c = insSensitivityFactor / carbRatio * carbsAmount * 4 /
                    absorptionTime;
254             for (int i = 0; i < times.getDimension(); i++) {
255                 double deltaTime = times.getEntry(i) − mealTime;
256                 if (deltaTime < 0 || deltaTime > absorptionTime) {
257                     cob_dtMeal[i] = 0;
258                 } else if (deltaTime < absorptionTime / 2.0) {
259                     cob_dtMeal[i] = −c * deltaTime / absorptionTime;
260                 } else if (deltaTime >= absorptionTime / 2.0) {
261                     cob_dtMeal[i] = c * (deltaTime / absorptionTime − 1);
262                 }
263             }
264             return cob_dtMeal;
265         }
266
267         /**
268          * Calculates the derivative of the prediction function with regard to x
269          *
270          * @param times                 Vector of times, where the derivative will be
                  calculated
271          * @param mealTime              Time of the meal corresponding to the value x
272          * @param insSensitivityFactor insulin to blood glucose factor
273          * @param carbRatio             carb to insulin ratio
274          * @param absorptionTime        carb absorption time
275          * @return one column of the Jacobi matrix derived with regard to x
276          */
277         private static double[] carbsOnBoard_dx(RealVector times, double mealTime,
                double insSensitivityFactor, double carbRatio, long absorptionTime) {
278             double[] cob_dx = new double[times.getDimension()];
```

```
279         for (int i = 0; i < times.getDimension(); i++) {
280             cob_dx[i] = insSensitivityFactor / carbRatio *
                    Predictions.carbsOnBoard(times.getEntry(i) − mealTime,
                    absorptionTime);
281         }
282         return cob_dx;
283     }
284 }
```

A.7.4 BasalCalculatorTools

Die `BasalCalculatorTools` Klasse dient zur Berechnung von Basal Insulin Behandlungen welche immer mit dem Basal Profil des Patienten verrechnet werden müssen.

BasalCalculatorTools.java

```java
1  public class BasalCalculatorTools {
2
3      /**
4       * Shortens the duration of all entries to their next treatment and adjusts
5       * the values of the entries accordingly.
6       *
7       * @param basalTreatments sorted list of vault entries with type
8       *                        {@link VaultEntryType#BASAL_MANUAL}
9       * @return list of vault entries whose duration won't exceeds the timestamp
10      *          of their next entries.
11     */
12     public static List<VaultEntry> adjustBasalTreatments(List<VaultEntry>
               basalTreatments) {
13         List<VaultEntry> result = new ArrayList<>();
14
15         if (!basalTreatments.isEmpty()) {
16             for (int i = 0; i < basalTreatments.size() − 1; i++) {
17                 VaultEntry current = basalTreatments.get(i);
18                 VaultEntry next = basalTreatments.get(i + 1);
19
20                 if (!current.getType().equals(VaultEntryType.BASAL_MANUAL)) {
21                     throw new IllegalArgumentException("VaultEntryType should be
                           BASAL_MANUAL");
22                 }
23                 long deltaTime = Math.round((next.getTimestamp().getTime() −
                       current.getTimestamp().getTime()) / 60000.0);
24
25                 if (deltaTime < 0) {
26                     throw new IllegalArgumentException("Input have to be sorted
                           by Timestamp");
27                 }
28
29                 if (deltaTime < current.getValue2()) {
30                     double value = current.getValue() * deltaTime /
                           current.getValue2();
31                     result.add(new VaultEntry(VaultEntryType.BASAL_MANUAL,
                           current.getTimestamp(), value, deltaTime));
32                 } else {
```

```
32              result.add(new VaultEntry(VaultEntryType.BASAL_MANUAL,
                    current.getTimestamp(), current.getValue(),
                    current.getValue2()));
33          }
34
35      }
36
37      VaultEntry last = basalTreatments.get(basalTreatments.size() - 1);
38      if (!last.getType().equals(VaultEntryType.BASAL_MANUAL)) {
39          throw new IllegalArgumentException("VaultEntryType should be
                BASAL_MANUAL");
40      }
41      result.add(new VaultEntry(VaultEntryType.BASAL_MANUAL,
                last.getTimestamp(), last.getValue(), last.getValue2()));
42  }
43  return result;
44 }
45
46 /**
47  * Calculates the difference between Temp Basal Treatments and the basal
       rates given in the profile.
48  * The values of the resulting List is in units per minute.
49  *
50  * @param basalTreatments list of VaultEntries with type
51  * {@link de.opendiabetes.vault.container.VaultEntryType#BASAL_MANUAL}
52  * @param profile nightscout profile with Timezone Zulu
53  * @return list of VaultEntries with type
54  * {@link de.opendiabetes.vault.container.VaultEntryType#BASAL_PROFILE}
55  */
56 public static List<VaultEntry> calcBasalDifference(List<VaultEntry>
       basalTreatments, Profile profile) {
57     if (!profile.getTimezone().equals(ZoneId.of("Zulu"))) {
58         throw new IllegalArgumentException("profile Timezone should be Zulu,
                make sure to run toZulu() before.");
59     }
60     if (profile.getBasalProfiles().size() < 1) {
61         throw new IllegalArgumentException("profile must have at least 1
                entry in basalProfiles.");
62     }
63     List<VaultEntry> result = new ArrayList<>();
64     if (profile.getBasalProfiles().size() == 1) {
65         double basalRate = profile.getBasalProfiles().get(0).getValue();
66         for (VaultEntry entry : basalTreatments) {
67             if (!entry.getType().equals(VaultEntryType.BASAL_MANUAL)) {
68                 throw new IllegalArgumentException("VaultEntryType should be
                        BASAL_MANUAL but was " + entry.getType().toString());
69             }
70             if (entry.getValue2() <= 0) {
71                 continue;
72             }
73             double value = entry.getValue() / entry.getValue2() - basalRate /
                    60;
74             result.add(new VaultEntry(VaultEntryType.BASAL_PROFILE,
                    entry.getTimestamp(), value, entry.getValue2()));
75         }
```

```java
76              } else {
77                  for (VaultEntry entry : basalTreatments) {
78                      if (!entry.getType().equals(VaultEntryType.BASAL_MANUAL)) {
79                          throw new IllegalArgumentException("VaultEntryType should be
                               BASAL_MANUAL but was " + entry.getType().toString());
80                      }
81                      addBasal(entry, result, profile);
82                  }
83              }
84          return result;
85      }
86
87      /**
88       * Calculate the difference between Temp Basal Treatments and the basal rates.
89       * Is called recursively if one of the given times is exceeded.
90       *
91       * @param entry entry to add
92       * @param list result list
93       * @param profile nightscout profile
94       */
95      private static void addBasal(VaultEntry entry, List<VaultEntry> list, Profile
           profile) {
96          if (entry.getValue2() <= 0) {
97              return;
98          }
99
100         List<Profile.BasalProfile> profileTime = profile.getBasalProfiles();
101         long treatmentTime = (entry.getTimestamp().getTime() / 60000) % (60 *
               24); //Time in min from 00:00
102
103         for (int i = 0; i < profileTime.size() - 1; i++) {
104             long firstTime = profileTime.get(i).getStart().getHour() * 60 +
                   profileTime.get(i).getStart().getMinute(); //Time in min from 00:00
105             long secTime = profileTime.get(i + 1).getStart().getHour() * 60 +
                   profileTime.get(i + 1).getStart().getMinute();
106
107             if (firstTime <= treatmentTime && treatmentTime < secTime) {
108                 if (treatmentTime + entry.getValue2() <= secTime) {
109                     double value = (entry.getValue() / entry.getValue2()) -
                           (profileTime.get(i).getValue() / 60);
110                     list.add(new VaultEntry(VaultEntryType.BASAL_PROFILE,
                           entry.getTimestamp(), value, entry.getValue2()));
111                     return;
112                 } else {
113
114                     long newDuration = secTime - treatmentTime;
115                     double deltaValue = entry.getValue() * newDuration /
                           entry.getValue2();
116                     double newValue = (deltaValue / newDuration) -
                           (profileTime.get(i).getValue() / 60);
117
118                     list.add(new VaultEntry(VaultEntryType.BASAL_PROFILE,
                           entry.getTimestamp(), newValue, newDuration));
119                     addBasal(new VaultEntry(VaultEntryType.BASAL_MANUAL, new
                           Date(entry.getTimestamp().getTime() + newDuration *
```

```
                         60000), entry.getValue() − deltaValue, entry.getValue2() −
                         newDuration), list, profile);
120                  return;
121              }
122          }
123      }
124      //last case 24:00
125      long secTime = 24 * 60;
126
127      if (treatmentTime + entry.getValue2() <= secTime) {
128          double value = entry.getValue() / entry.getValue2() −
                  profileTime.get(profileTime.size() − 1).getValue() / 60;
129          list.add(new VaultEntry(VaultEntryType.BASAL_PROFILE,
                  entry.getTimestamp(), value, entry.getValue2()));
130      } else {
131
132          long newDuration = secTime − treatmentTime;
133          double deltaValue = entry.getValue() * newDuration /
                  entry.getValue2();
134          double newValue = deltaValue / newDuration −
                  profileTime.get(profileTime.size() − 1).getValue() / 60;
135
136          list.add(new VaultEntry(VaultEntryType.BASAL_PROFILE,
                  entry.getTimestamp(), newValue, newDuration));
137          addBasal(new VaultEntry(VaultEntryType.BASAL_MANUAL, new
                  Date(entry.getTimestamp().getTime() + newDuration * 60000),
                  entry.getValue() − deltaValue, entry.getValue2() − newDuration),
                  list, profile);
138      }
139  }
140 }
```

A.8 Coverity Scan

Die Konfiguration von Coverity Scan erwies sich als schwierig, denn es können zwar Pfade angeben werden, welche nicht getestet werden sollen, Änderungen an den Einstellungen lassen sich aber nicht speichern. In diversen Internetforen lässt sich beobachten, dass auch andere Benutzer das gleiche Problem haben, weswegen wir dazu übergegangen sind die Defekte aus dem Code unseres Auftragebers als „absichtlich" zu markieren. Probleme in den Tests konnten in allen Fällen als „falsch-positiv" oder „absichtlich" markiert werden.
Die häufigsten „falsch-positiven" Ereignisse waren String to Byte bzw. Byte to String Konvertierungen. Die meisten Probleme die gefunden wurden waren Variablen und Felder die nicht benutzt oder nur aktualisiert wurden, danach waren es Felder und Methoden die nicht als statisch markiert wurden obwohl sie so benutzt wurden. Diese Probleme wurden behoben.

A.8.1 Beispiel gefundener Bug

In Bild A.49 gibt die Funktion getRawBasalTreatments() null zurück und löst damit eine NullPointerException aus.

```
public List<VaultEntry> getRawBasalTreatments() {
    if (treatments == null)
        fetchTreatments();
    if(rawBasals == null){
        rawBasals =  treatments.stream()
                .filter(e -> e.getType().equals(VaultEntryType.BASAL_MANUAL))
                .sorted(Comparator.comparing(VaultEntry::getTimestamp))
                .collect(Collectors.toList());
    }

    return null;
}

@Override
public List<VaultEntry> getBasalDifferences() {
1. Condition rawBasals == null, taking true branch.

    if (rawBasals == null || basalDiffs == null){
2. returned_null: getRawBasalTreatments returns null (checked 0 out of 2 times). [show details]

CID 337244 (#1 of 1): Dereference null return value (NULL_RETURNS)
    3. dereference: Dereferencing a pointer that might be null getRawBasalTreatments() when calling adjustBasalTreatments. [show details]
        basalDiffs = BasalCalculatorTools.calcBasalDifference(BasalCalculatorTools.adjustBasalTreatments(getRawBa
    }
    return basalDiffs;
```

Abbildung A.49.: NullPointerException Beispiel A.8.1

A.8.2 Beispiel False Positive

In Bild A.50 wird `!allFilesSet(config)` zu false ausgewertet.
In Bild A.51 wird das Inverse, also `allFilesSet(config)` auch zu false ausgewertet.


```
6. Condition !config.contains("host"), taking true branch.

7. Condition !de.opendiabetes.vault.main.Main.allFilesSet(config), taking false branch.

    if (!config.contains("host") && !allFilesSet(config)) {
        NSApi.LOGGER.warning("Please specify paths to your files of blood glucose values treatments and your profile\n"
                + "or a Nightscout server URL. Make sure to include the port if needed");
        return;
    }
```

Abbildung A.50.: False Positive Beispiel A.8.2

Abbildung A.51.: False Positive Beispiel A.8.2

A.9 Build Logs Beispiele

A.9.1 Build PR45 failed

```
travis_fold:start:worker_info
[0K[33;1mWorker information[0m
hostname: fd1b8a82-c1ef-41a4-9065-18c22596d97c@1.production-1-worker-
org-gce-mb9z
version: v6.2.0 https://github.com/travis-
ci/worker/tree/5e5476e01646095f48eec13196fdb3faf8f5cbf7
instance: travis-job-65e29b7e-8e49-49e9-a435-dc49ff751239 travis-ci-
garnet-trusty-1512502259-986baf0 (via amqp)
startup: 6.404571163s
travis_fold:end:worker_info
[0Ktravis_fold:start:system_info
[0K[33;1mBuild system information[0m
Build language: java
Build group: stable
Build dist: trusty
Build id: 510379343
Job id: 510379344
Runtime kernel version: 4.4.0-101-generic
travis-build version: d6b12fc73
[34m[1mBuild image provisioning date and time[0m
Tue Dec  5 19:58:13 UTC 2017
[34m[1mOperating System Details[0m
Distributor ID: Ubuntu
Description:    Ubuntu 14.04.5 LTS
Release:       14.04
Codename:      trusty
[34m[1mCookbooks Version[0m
7c2c6a6 https://github.com/travis-ci/travis-cookbooks/tree/7c2c6a6
[34m[1mgit version[0m
git version 2.15.1
[34m[1mbash version[0m
GNU bash, version 4.3.11(1)-release (x86_64-pc-linux-gnu)
[34m[1mgcc version[0m
gcc (Ubuntu 4.8.4-2ubuntu1~14.04.3) 4.8.4
Copyright (C) 2013 Free Software Foundation, Inc.
This is free software; see the source for copying conditions.  There
is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.

[34m[1mdocker version[0m
Client:
 Version:      17.09.0-ce
 API version:  1.32
 Go version:   go1.8.3
 Git commit:   afdb6d4
 Built:        Tue Sep 26 22:42:38 2017
 OS/Arch:      linux/amd64

Server:
 Version:      17.09.0-ce
 API version:  1.32 (minimum version 1.12)
 Go version:   go1.8.3
 Git commit:   afdb6d4
 Built:        Tue Sep 26 22:41:20 2017
 OS/Arch:      linux/amd64
```

```
 Experimental: false
[34m[1mclang version[0m
clang version 5.0.0 (tags/RELEASE_500/final)
Target: x86_64-unknown-linux-gnu
Thread model: posix
InstalledDir: /usr/local/clang-5.0.0/bin
[34m[1mjq version[0m
jq-1.5
[34m[1mbats version[0m
Bats 0.4.0
[34m[1mshellcheck version[0m
0.4.6
[34m[1mshfmt version[0m
v2.0.0
[34m[1mccache version[0m
ccache version 3.1.9

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Copyright (C) 2009-2011 Joel Rosdahl

This program is free software; you can redistribute it and/or modify
it under
the terms of the GNU General Public License as published by the Free
Software
Foundation; either version 3 of the License, or (at your option) any
later
version.
[34m[1mcmake version[0m
cmake version 3.9.2

CMake suite maintained and supported by Kitware (kitware.com/cmake).
[34m[1mheroku version[0m
heroku-cli/6.14.39-addc925 (linux-x64) node-v9.2.0
[34m[1mimagemagick version[0m
Version: ImageMagick 6.7.7-10 2017-07-31 Q16
http://www.imagemagick.org
[34m[1mmd5deep version[0m
4.2
[34m[1mmercurial version[0m
Mercurial Distributed SCM (version 4.2.2)
(see https://mercurial-scm.org for more information)

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This is free software; see the source for copying conditions. There is
NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.
[34m[1mmysql version[0m
mysql  Ver 14.14 Distrib 5.6.33, for debian-linux-gnu (x86_64) using
EditLine wrapper
[34m[1mopenssl version[0m
OpenSSL 1.0.1f 6 Jan 2014
[34m[1mpacker version[0m
Packer v1.0.2

Your version of Packer is out of date! The latest version
is 1.1.2. You can update by downloading from www.packer.io
```

[34m[1mpostgresql client version[0m
psql (PostgreSQL) 9.6.6
[34m[1mragel version[0m
Ragel State Machine Compiler version 6.8 Feb 2013
Copyright (c) 2001-2009 by Adrian Thurston
[34m[1msubversion version[0m
svn, version 1.8.8 (r1568071)
   compiled Aug 10 2017, 17:20:39 on x86_64-pc-linux-gnu

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This software consists of contributions made by many people;
see the NOTICE file for more information.
Subversion is open source software, see http://subversion.apache.org/

The following repository access (RA) modules are available:

* ra_svn : Module for accessing a repository using the svn network
protocol.
  - with Cyrus SASL authentication
  - handles 'svn' scheme
* ra_local : Module for accessing a repository on local disk.
  - handles 'file' scheme
* ra_serf : Module for accessing a repository via WebDAV protocol
using serf.
  - using serf 1.3.3
  - handles 'http' scheme
  - handles 'https' scheme

[34m[1msudo version[0m
Sudo version 1.8.9p5
Configure options: --prefix=/usr -v --with-all-insults --with-pam --
with-fqdn --with-logging=syslog --with-logfac=authpriv --with-env-
editor --with-editor=/usr/bin/editor --with-timeout=15 --with-
password-timeout=0 --with-passprompt=[sudo] password for %p: --
without-lecture --with-tty-tickets --disable-root-mailer --enable-
admin-flag --with-sendmail=/usr/sbin/sendmail --with-
timedir=/var/lib/sudo --mandir=/usr/share/man --
libexecdir=/usr/lib/sudo --with-sssd --with-sssd-lib=/usr/lib/x86_64-
linux-gnu --with-selinux
Sudoers policy plugin version 1.8.9p5
Sudoers file grammar version 43

Sudoers path: /etc/sudoers
Authentication methods: 'pam'
Syslog facility if syslog is being used for logging: authpriv
Syslog priority to use when user authenticates successfully: notice
Syslog priority to use when user authenticates unsuccessfully: alert
Send mail if the user is not in sudoers
Use a separate timestamp for each user/tty combo
Lecture user the first time they run sudo
Root may run sudo
Allow some information gathering to give useful error messages
Require fully-qualified hostnames in the sudoers file
Visudo will honor the EDITOR environment variable
Set the LOGNAME and USER environment variables
Length at which to wrap log file lines (0 for no wrap): 80
Authentication timestamp timeout: 15.0 minutes

```
Password prompt timeout: 0.0 minutes
Number of tries to enter a password: 3
Umask to use or 0777 to use user's: 022
Path to mail program: /usr/sbin/sendmail
Flags for mail program: -t
Address to send mail to: root
Subject line for mail messages: *** SECURITY information for %h ***
Incorrect password message: Sorry, try again.
Path to authentication timestamp dir: /var/lib/sudo
Default password prompt: [sudo] password for %p:
Default user to run commands as: root
Value to override user's $PATH with:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin
Path to the editor for use by visudo: /usr/bin/editor
When to require a password for 'list' pseudocommand: any
When to require a password for 'verify' pseudocommand: all
File descriptors >= 3 will be closed before executing a command
Environment variables to check for sanity:
        TZ
        TERM
        LINGUAS
        LC_*
        LANGUAGE
        LANG
        COLORTERM
Environment variables to remove:
        RUBYOPT
        RUBYLIB
        PYTHONUSERBASE
        PYTHONINSPECT
        PYTHONPATH
        PYTHONHOME
        TMPPREFIX
        ZDOTDIR
        READNULLCMD
        NULLCMD
        FPATH
        PERL5DB
        PERL5OPT
        PERL5LIB
        PERLLIB
        PERLIO_DEBUG
        JAVA_TOOL_OPTIONS
        SHELLOPTS
        GLOBIGNORE
        PS4
        BASH_ENV
        ENV
        TERMCAP
        TERMPATH
        TERMINFO_DIRS
        TERMINFO
        _RLD*
        LD_*
        PATH_LOCALE
        NLSPATH
        HOSTALIASES
```

```
        RES_OPTIONS
        LOCALDOMAIN
        CDPATH
        IFS
Environment variables to preserve:
        JAVA_HOME
        TRAVIS
        CI
        DEBIAN_FRONTEND
        XAUTHORIZATION
        XAUTHORITY
        PS2
        PS1
        PATH
        LS_COLORS
        KRB5CCNAME
        HOSTNAME
        HOME
        DISPLAY
        COLORS
Locale to use while parsing sudoers: C
Directory in which to store input/output logs: /var/log/sudo-io
File in which to store the input/output log: %{seq}
Add an entry to the utmp/utmpx file when allocating a pty
PAM service name to use
PAM service name to use for login shells
Create a new PAM session for the command to run in
Maximum I/O log sequence number: 0

Local IP address and netmask pairs:
        10.240.0.28/255.255.255.255
        172.17.0.1/255.255.0.0

Sudoers I/O plugin version 1.8.9p5
[34m[1mgzip version[0m
gzip 1.6
Copyright (C) 2007, 2010, 2011 Free Software Foundation, Inc.
Copyright (C) 1993 Jean-loup Gailly.
This is free software.  You may redistribute copies of it under the
terms of
the GNU General Public License <http://www.gnu.org/licenses/gpl.html>.
There is NO WARRANTY, to the extent permitted by law.

Written by Jean-loup Gailly.
[34m[1mzip version[0m
Copyright (c) 1990-2008 Info-ZIP - Type 'zip "-L"' for software
license.
This is Zip 3.0 (July 5th 2008), by Info-ZIP.
Currently maintained by E. Gordon.  Please send bug reports to
the authors using the web page at www.info-zip.org; see README for
details.

Latest sources and executables are at ftp://ftp.info-
zip.org/pub/infozip,
as of above date; see http://www.info-zip.org/ for other sites.

Compiled with gcc 4.8.2 for Unix (Linux ELF) on Oct 21 2013.
```

```
Zip special compilation options:
        USE_EF_UT_TIME        (store Universal Time)
        BZIP2_SUPPORT         (bzip2 library version 1.0.6, 6-Sept-
2010)
            bzip2 code and library copyright (c) Julian R Seward
            (See the bzip2 license for terms of use)
        SYMLINK_SUPPORT       (symbolic links supported)
        LARGE_FILE_SUPPORT    (can read and write large files on file
system)
        ZIP64_SUPPORT         (use Zip64 to store large files in
archives)
        UNICODE_SUPPORT       (store and read UTF-8 Unicode paths)
        STORE_UNIX_UIDs_GIDs  (store UID/GID sizes/values using new
extra field)
        UIDGID_NOT_16BIT      (old Unix 16-bit UID/GID extra field not
used)
        [encryption, version 2.91 of 05 Jan 2007] (modified for Zip 3)

Encryption notice:
        The encryption code of this program is not copyrighted and is
        put in the public domain.  It was originally written in Europe
        and, to the best of our knowledge, can be freely distributed
        in both source and object forms from any country, including
        the USA under License Exception TSU of the U.S. Export
        Administration Regulations (section 740.13(e)) of 6 June 2002.

Zip environment options:
             ZIP:  [none]
          ZIPOPT:  [none]
[34m[1mvim version[0m
VIM - Vi IMproved 7.4 (2013 Aug 10, compiled Nov 24 2016 16:43:18)
Included patches: 1-52
Extra patches: 8.0.0056
Modified by pkg-vim-maintainers@lists.alioth.debian.org
Compiled by buildd@
Huge version without GUI.  Features included (+) or not (-):
+acl             +farsi           +mouse_netterm   +syntax
+arabic          +file_in_path    +mouse_sgr       +tag_binary
+autocmd         +find_in_path    -mouse_sysmouse  +tag_old_static
-balloon_eval    +float           +mouse_urxvt     -tag_any_white
-browse          +folding         +mouse_xterm     -tcl
++builtin_terms  -footer          +multi_byte      +terminfo
+byte_offset     +fork()          +multi_lang      +termresponse
+cindent         +gettext         -mzscheme        +textobjects
-clientserver    -hangul_input    +netbeans_intg   +title
-clipboard       +iconv           +path_extra      -toolbar
+cmdline_compl   +insert_expand   -perl            +user_commands
+cmdline_hist    +jumplist        +persistent_undo +vertsplit
+cmdline_info    +keymap          +postscript      +virtualedit
+comments        +langmap         +printer         +visual
+conceal         +libcall         +profile         +visualextra
+cryptv          +linebreak       +python          +viminfo
+cscope          +lispindent      -python3         +vreplace
+cursorbind      +listcmds        +quickfix        +wildignore
+cursorshape     +localmap        +reltime         +wildmenu
+dialog_con      -lua             +rightleft       +windows
```

```
+diff              +menu             -ruby             +writebackup
+digraphs          +mksession        +scrollbind       -X11
-dnd               +modify_fname     +signs            -xfontset
-ebcdic            +mouse            +smartindent      -xim
+emacs_tags        -mouseshape       -sniff            -xsmp
+eval              +mouse_dec        +startuptime      -xterm_clipboard
+ex_extra          +mouse_gpm        +statusline       -xterm_save
+extra_search      -mouse_jsbterm    -sun_workshop     -xpm
   system vimrc file: "$VIM/vimrc"
     user vimrc file: "$HOME/.vimrc"
 2nd user vimrc file: "~/.vim/vimrc"
      user exrc file: "$HOME/.exrc"
  fall-back for $VIM: "/usr/share/vim"
Compilation: gcc -c -I. -Iproto -DHAVE_CONFIG_H     -g -O2 -fstack-
protector --param=ssp-buffer-size=4 -Wformat -Werror=format-security -
U_FORTIFY_SOURCE -D_FORTIFY_SOURCE=1
Linking: gcc   -Wl,-Bsymbolic-functions -Wl,-z,relro -Wl,--as-needed -
o vim         -lm -ltinfo -lnsl  -lselinux  -lacl -lattr -lgpm -ldl
-L/usr/lib/python2.7/config-x86_64-linux-gnu -lpython2.7 -lpthread -
ldl -lutil -lm -Xlinker -export-dynamic -Wl,-O1 -Wl,-Bsymbolic-
functions
[34m[1miptables version[0m
iptables v1.4.21
[34m[1mcurl version[0m
curl 7.35.0 (x86_64-pc-linux-gnu) libcurl/7.35.0 OpenSSL/1.0.1f
zlib/1.2.8 libidn/1.28 librtmp/2.3
[34m[1mwget version[0m
GNU Wget 1.15 built on linux-gnu.
[34m[1mrsync version[0m
rsync  version 3.1.0  protocol version 31
[34m[1mgimme version[0m
v1.2.0
[34m[1mnvm version[0m
0.33.6
[34m[1mperlbrew version[0m
/home/travis/perl5/perlbrew/bin/perlbrew  - App::perlbrew/0.80
[34m[1mphpenv version[0m
rbenv 1.1.1-25-g6aa70b6
[34m[1mrvm version[0m
rvm 1.29.3 (latest) by Michal Papis, Piotr Kuczynski, Wayne E. Seguin
[https://rvm.io]
[34m[1mdefault ruby version[0m
ruby 2.4.1p111 (2017-03-22 revision 58053) [x86_64-linux]
[34m[1mCouchDB version[0m
couchdb 1.6.1
[34m[1mElasticSearch version[0m
5.5.0
[34m[1mInstalled Firefox version[0m
firefox 56.0.2
[34m[1mMongoDB version[0m
MongoDB 3.4.10
[34m[1mPhantomJS version[0m
2.1.1
[34m[1mPre-installed PostgreSQL versions[0m
9.2.24
9.3.20
9.4.15
```

9.5.10
9.6.6
[34m[1mRabbitMQ Version[0m
3.6.14
[34m[1mRedis version[0m
redis-server 4.0.6
[34m[1mriak version[0m
2.2.3
[34m[1mPre-installed Go versions[0m
1.7.4
[34m[1mant version[0m
Apache Ant(TM) version 1.9.3 compiled on April 8 2014
[34m[1mmvn version[0m
Apache Maven 3.5.2 (138edd61fd100ec658bfa2d307c43b76940a5d7d; 2017-10-18T07:58:13Z)
Maven home: /usr/local/maven-3.5.2
Java version: 1.8.0_151, vendor: Oracle Corporation
Java home: /usr/lib/jvm/java-8-oracle/jre
Default locale: en_US, platform encoding: UTF-8
OS name: "linux", version: "4.4.0-98-generic", arch: "amd64", family: "unix"
[34m[1mgradle version[0m

Gradle 4.0.1

Build time: 2017-07-07 14:02:41 UTC
Revision: 38e5dc0f772daecca1d2681885d3d85414eb6826

Groovy: 2.4.11
Ant: Apache Ant(TM) version 1.9.6 compiled on June 29 2015
JVM: 1.8.0_151 (Oracle Corporation 25.151-b12)
OS: Linux 4.4.0-98-generic amd64

[34m[1mlein version[0m
Leiningen 2.8.1 on Java 1.8.0_151 Java HotSpot(TM) 64-Bit Server VM
[34m[1mPre-installed Node.js versions[0m
v4.8.6
v6.12.0
v6.12.1
v8.9
v8.9.1
[34m[1mphpenv versions[0m
  system
  5.6
* 5.6.32 (set by /home/travis/.phpenv/version)
  7.0
  7.0.25
  7.1
  7.1.11
  hhvm
  hhvm-stable
[34m[1mcomposer --version[0m
Composer version 1.5.2 2017-09-11 16:59:25
[34m[1mPre-installed Ruby versions[0m
ruby-2.2.7

```
ruby-2.3.4
ruby-2.4.1
travis_fold:end:system_info
[0K
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign CloudSSL CA -
SHA256 - G3
verify error:num=20:unable to get local issuer certificate
verify return:0
DONE

travis_fold:start:git.checkout
[0Ktravis_time:start:226ff528
[0K$ git clone --depth=50 https://github.com/TUDa-BP-11/opendiabetes-
uam-heuristik.git TUDa-BP-11/opendiabetes-uam-heuristik
Cloning into 'TUDa-BP-11/opendiabetes-uam-heuristik'...
travis_time:end:226ff528:start=1553367016201603387,finish=155336701805
1240867,duration=1849637480
[0K$ cd TUDa-BP-11/opendiabetes-uam-heuristik
travis_time:start:0d34faf1
[0K$ git fetch origin +refs/pull/45/merge:
From https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik
 * branch            refs/pull/45/merge -> FETCH_HEAD
travis_time:end:0d34faf1:start=1553367018057621680,finish=155336701847
5543104,duration=417921424
[0K$ git checkout -qf FETCH_HEAD
travis_fold:end:git.checkout
[0K

[33;1mSetting environment variables from repository settings[0m
$ export encrypted_45abb2cc142e_key=[secure]
$ export encrypted_45abb2cc142e_iv=[secure]

[33;1mSetting environment variables from .travis.yml[0m
$ export COVERITY_SCAN_TOKEN=[secure]
$ export NS_HOST=[secure]
$ export NS_APISECRET=[secure]
$ export NS_HOST_2=[secure]
$ export NS_APISECRET_2=[secure]

$ java -Xmx32m -version
java version "1.8.0_151"
Java(TM) SE Runtime Environment (build 1.8.0_151-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.151-b12, mixed mode)
$ javac -J-Xmx32m -version
javac 1.8.0_151
travis_fold:start:before_install.1
[0Ktravis_time:start:0a859810
[0K$ echo -n | openssl s_client -connect scan.coverity.com:https | sed
-ne '/-BEGIN CERTIFICATE-/,/-END CERTIFICATE-/p' | sudo tee -a
/etc/ssl/certs/ca-
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign CloudSSL CA -
SHA256 - G3
verify error:num=20:unable to get local issuer certificate
verify return:0
DONE
-----BEGIN CERTIFICATE-----
MIIF0zCCBLugAwIBAgIMMi+Gr0Am2nS3IkbqMA0GCSqGSIb3DQEBCwUAMFcxCzAJ
```

BgNVBAYTAkJFMRkwFwYDVQQKExHbG9iYWxTaWduIG52LXNhMS0wKwYDVQQDEyRH
bG9iYWxTaWduIENsb3VkU1NMIENBIC0gU0hBMjU2IC0gRzMwHhcNMTkwMTI2MDEx
OTU1WhcNMTkwNjEwMDk0MDIyWjBgMQswCQYDVQQGEwJVUzERMA8GA1UECBMIRGVs
YXdhcmUxDjAMBgNVBAcTBURvdmVyMRYwFAYDVQQKEw1JbmNhcHN1bGEgSW5jMRYw
FAYDVQQDEw1pbmNhcHN1bGEuY29tMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIB
CgKCAQEAwhONkWDmVzsMgawf/tcsZb47+6lqSx/NYJkFK1LN748tm9g7GjHIEPEC
4l8bWtpKNohMN8EuGpfGqPlFn7p6YAbZxa+QWpvoSZx+GBnvmm6ItYVbpaUXierH
xTf6qRO20eUhmEFCSPZdRaRFHdApZX2zyVDuVe1vAa5/SyzB+0EWKPR+espbUPu8
HwHWfegsBUjLX0eAbdYeVLJXSlJ1SLyDa4AXhWG3pRTKsasbtaN0afG8HQMLAKmz
dnTWXDlZDB+QTcneRcsTeeu3kPuslTNBHgxAzL5HWJvkqtpcbGXHtrQEzeLAydiZ
KAsDaZyJtZuB1DGnbg288tVqBivMsQIDAQABo4IClDCCApAwDgYDVR0PAQH/BAQD
AgWgMIGKBggrBgEFBQcBAQR+MHwwQgYIKwYBBQUHMAKGNmh0dHA6Ly9zZWN1cmUu
Z2xvYmFsc2lnbi5jb20vY2FjZXJ0L2Nsb3Vkc3NhMmczLmNydDA2BggrBgEF
BQcwAYYqaHR0cDovL29jc3AyLmdsb2JhbHNpZ24uY29tL2Nsb3Vkc3NhMmcz
MFYGA1UdIARPME0wQQYJKwYBBAGgMgEUMDQwMgYIKwYBBQUHAgEWJmh0dHBzOi8v
d3d3Lmdsb2JhbHNpZ24uY29tL3JlcG9zaXRvcnkvMAgGBmeBDAECAjAJBgNVHRME
AjAAMCgGA1UdEQQhMB+CDWluY2Fwc3VsYS5jb22CDiouY292ZXJpdHkuY29tMB0G
A1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAdBgNVHQ4EFgQURPfw1uIQZlX5
U+C6HKQDAO2fRsQwHwYDVR0jBBgwFoAUqSuH4c4kRzsbv8+FNwJVnQ2UWOYwggED
BgorBgEEAdZ5AgQCBIH0BIHxAO8AdgBVgdTCFpA2AUrqC5tXPFPwwOQ4eHAlCBcv
o6odBxPTDAAAAWiHveijAAAEAwBHMEUCIQCYjxKNk2JP2JeIC7RSIKtVIqcUgdnm
QpaXuodoTYVqYQIgLmQ/waQirZzUOB8azMksPuPI/+SIgtYBlaROEEtYancAdQDu
S723dc5guuFCaR+r4Z5mow9+X7By2IMAxHuJeqj9ywAAAWiHvehxAAAEAwBGMEQC
IFQGP92eoc+GTuPa53nOly0v8iXquOBiAceKDQ/xjTlQAiBIASBr6UCrdkPkTsWf
zrsgKLc/tmwraE/sWxtX0AoAczANBgkqhkiG9w0BAQsFAAOCAQEAEevddM79yQ3X
KLEkL8biVSOaTT+S3HzxCGjBsMfLOZ12VKBvG8dGoAibzq6VqWEDmP4YK1t5Q4M8
NAyqcHDJBCXZzf6XuqakcmymCxKa5ES69h1xQcknQgDxWm424tnTSqt2+roD8ZHK
6eL4/JMTg2AFwvX1str0grIFvOeE3/kDGPFGymaBDc5aloyX2C5Em9QFdTodh3PE
OdE8XNy2OEKvU8MjzIHwYA+pR2UiNq6rpLXdREPRWnqnuipddt2y7Tk7kWG/iE+h
AMHj7QF41syi0yGgAN848QX8qCB5DW8+ssVtww7bETqesf+7gZHgjvUY67BckyEU
QJvmLCdWJw==
-----END CERTIFICATE-----
travis_time:end:0a859810:start=1553367019288538647,finish=155336701934
5139093,duration=56600446
[0Ktravis_fold:end:before_install.1
[0Ktravis_fold:start:before_install.2
[0Ktravis_time:start:0804b858
[0K$ wget --no-check-certificate
https://www.apache.org/dist/ant/binaries/apache-ant-1.10.5-bin.tar.gz
--2019-03-23 18:50:19--
https://www.apache.org/dist/ant/binaries/apache-ant-1.10.5-bin.tar.gz
Resolving www.apache.org (www.apache.org)... 40.79.78.1, 95.216.24.32,
2a01:4f9:2a:185f::2
Connecting to www.apache.org (www.apache.org)|40.79.78.1|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 6108214 (5.8M) [application/x-gzip]
Saving to: 'apache-ant-1.10.5-bin.tar.gz'

     0K 0%
696K 8s
    50K 1%
1.37M 6s
   100K 2%
92.0M 4s
   150K 3%
1.39M 4s

```
      200K .......... .......... .......... .......... .......... ..........    4%
214M 3s
      250K .......... .......... .......... .......... .......... ..........    5%
128M 3s
      300K .......... .......... .......... .......... .......... ..........    5%
277M 2s
      350K .......... .......... .......... .......... .......... ..........    6%
362M 2s
      400K .......... .......... .......... .......... .......... ..........    7%
1.39M 2s
      450K ......... .......... .......... .......... .......... ..........    8%
208M 2s
      500K ......... .......... .......... .......... .......... ..........    9%
267M 2s
      550K .......... .......... .......... .......... .......... ..........   10%
257M 2s
      600K ......... .......... .......... .......... .......... ..........   10%
343M 1s
      650K ......... .......... .......... .......... .......... ..........   11%
320M 1s
      700K .......... .......... .......... .......... .......... ..........   12%
150M 1s
      750K ......... .......... .......... .......... .......... ..........   13%
350M 1s
      800K .......... .......... .......... .......... .......... ..........   14%
1.42M 1s
      850K ......... .......... .......... .......... .......... ..........   15%
246M 1s
      900K .......... .......... .......... .......... .......... ..........   15%
305M 1s
      950K .......... .......... .......... .......... .......... ..........   16%
384M 1s
     1000K .......... .......... .......... .......... .......... ..........   17%
336M 1s
     1050K .......... .......... .......... .......... .......... ..........   18%
346M 1s
     1100K .......... .......... .......... .......... .......... ..........   19%
374M 1s
     1150K .......... .......... .......... .......... .......... ..........   20%
390M 1s
     1200K .......... .......... .......... .......... .......... ..........   20%
69.6M 1s
     1250K .......... .......... .......... .......... .......... ..........   21%
305M 1s
     1300K .......... .......... .......... .......... .......... ..........   22%
356M 1s
     1350K .......... .......... .......... .......... .......... ..........   23%
367M 1s
     1400K .......... .......... .......... .......... .......... ..........   24%
315M 1s
     1450K .......... .......... .......... .......... .......... ..........   25%
370M 1s
     1500K .......... .......... .......... .......... .......... ..........   25%
367M 1s
     1550K .......... .......... .......... .......... .......... ..........   26%
342M 1s
     1600K .......... .......... .......... .......... .......... ..........   27%
```

```
314M 1s
   1650K .......... .......... .......... .......... .......... 28%
380M 1s
   1700K .......... .......... .......... .......... .......... 29%
1.49M 1s
   1750K .......... .......... .......... .......... .......... 30%
309M 1s
   1800K .......... .......... .......... .......... .......... 31%
289M 1s
   1850K .......... .......... .......... .......... .......... 31%
363M 1s
   1900K .......... .......... .......... .......... .......... 32%
327M 1s
   1950K .......... .......... .......... .......... .......... 33%
349M 0s
   2000K .......... .......... .......... .......... .......... 34%
294M 0s
   2050K .......... .......... .......... .......... .......... 35%
256M 0s
   2100K .......... .......... .......... .......... .......... 36%
353M 0s
   2150K .......... .......... .......... .......... .......... 36%
314M 0s
   2200K .......... .......... .......... .......... .......... 37%
342M 0s
   2250K .......... .......... .......... .......... .......... 38%
329M 0s
   2300K .......... .......... .......... .......... .......... 39%
352M 0s
   2350K .......... .......... .......... .......... .......... 40%
236M 0s
   2400K .......... .......... .......... .......... .......... 41%
279M 0s
   2450K .......... .......... .......... .......... .......... 41%
303M 0s
   2500K .......... .......... .......... .......... .......... 42%
353M 0s
   2550K .......... .......... .......... .......... .......... 43%
326M 0s
   2600K .......... .......... .......... .......... .......... 44%
295M 0s
   2650K .......... .......... .......... .......... .......... 45%
314M 0s
   2700K .......... .......... .......... .......... .......... 46%
324M 0s
   2750K .......... .......... .......... .......... .......... 46%
382M 0s
   2800K .......... .......... .......... .......... .......... 47%
270M 0s
   2850K .......... .......... .......... .......... .......... 48%
321M 0s
   2900K .......... .......... .......... .......... .......... 49%
350M 0s
   2950K .......... .......... .......... .......... .......... 50%
365M 0s
   3000K .......... .......... .......... .......... .......... 51%
303M 0s
```

```
   3050K .......... .......... .......... .......... .......... 51%
368M 0s
   3100K .......... .......... .......... .......... .......... 52%
372M 0s
   3150K .......... .......... .......... .......... .......... 53%
386M 0s
   3200K .......... .......... .......... .......... .......... 54%
310M 0s
   3250K .......... .......... .......... .......... .......... 55%
383M 0s
   3300K .......... .......... .......... .......... .......... 56%
381M 0s
   3350K .......... .......... .......... .......... .......... 56%
357M 0s
   3400K .......... .......... .......... .......... .......... 57%
345M 0s
   3450K .......... .......... .......... .......... .......... 58%
732K 0s
   3500K .......... .......... .......... .......... .......... 59%
285M 0s
   3550K .......... .......... .......... .......... .......... 60%
368M 0s
   3600K .......... .......... .......... .......... .......... 61%
314M 0s
   3650K .......... .......... .......... .......... .......... 62%
278M 0s
   3700K .......... .......... .......... .......... .......... 62%
388M 0s
   3750K .......... .......... .......... .......... .......... 63%
385M 0s
   3800K .......... .......... .......... .......... .......... 64%
317M 0s
   3850K .......... .......... .......... .......... .......... 65%
379M 0s
   3900K .......... .......... .......... .......... .......... 66%
418M 0s
   3950K .......... .......... .......... .......... .......... 67%
383M 0s
   4000K .......... .......... .......... .......... .......... 67%
278M 0s
   4050K .......... .......... .......... .......... .......... 68%
351M 0s
   4100K .......... .......... .......... .......... .......... 69%
357M 0s
   4150K .......... .......... .......... .......... .......... 70%
352M 0s
   4200K .......... .......... .......... .......... .......... 71%
314M 0s
   4250K .......... .......... .......... .......... .......... 72%
340M 0s
   4300K .......... .......... .......... .......... .......... 72%
357M 0s
   4350K .......... .......... .......... .......... .......... 73%
311M 0s
   4400K .......... .......... .......... .......... .......... 74%
300M 0s
   4450K .......... .......... .......... .......... .......... 75%
```

```
357M 0s
   4500K .......... .......... .......... .......... .......... 76%
345M 0s
   4550K .......... .......... .......... .......... .......... 77%
356M 0s
   4600K .......... .......... .......... .......... .......... 77%
347M 0s
   4650K .......... .......... .......... .......... .......... 78%
391M 0s
   4700K .......... .......... .......... .......... .......... 79%
329M 0s
   4750K .......... .......... .......... .......... .......... 80%
342M 0s
   4800K .......... .......... .......... .......... .......... 81%
321M 0s
   4850K .......... .......... .......... .......... .......... 82%
386M 0s
   4900K .......... .......... .......... .......... .......... 82%
342M 0s
   4950K .......... .......... .......... .......... .......... 83%
365M 0s
   5000K .......... .......... .......... .......... .......... 84%
325M 0s
   5050K .......... .......... .......... .......... .......... 85%
306M 0s
   5100K .......... .......... .......... .......... .......... 86%
362M 0s
   5150K .......... .......... .......... .......... .......... 87%
377M 0s
   5200K .......... .......... .......... .......... .......... 88%
302M 0s
   5250K .......... .......... .......... .......... .......... 88%
338M 0s
   5300K .......... .......... .......... .......... .......... 89%
394M 0s
   5350K .......... .......... .......... .......... .......... 90%
363M 0s
   5400K .......... .......... .......... .......... .......... 91%
323M 0s
   5450K .......... .......... .......... .......... .......... 92%
352M 0s
   5500K .......... .......... .......... .......... .......... 93%
365M 0s
   5550K .......... .......... .......... .......... .......... 93%
371M 0s
   5600K .......... .......... .......... .......... .......... 94%
295M 0s
   5650K .......... .......... .......... .......... .......... 95%
386M 0s
   5700K .......... .......... .......... .......... .......... 96%
389M 0s
   5750K .......... .......... .......... .......... .......... 97%
352M 0s
   5800K .......... .......... .......... .......... .......... 98%
351M 0s
   5850K .......... .......... .......... .......... .......... 98%
383M 0s
```

```
   5900K .......... .......... .......... .......... .......... 99%
389M 0s
   5950K .......... .....                                      100%
336M=0.3s


2019-03-23 18:50:19 (17.6 MB/s) - 'apache-ant-1.10.5-bin.tar.gz' saved
[6108214/6108214]


travis_time:end:0804b858:start=1553367019352999858,finish=155336701988
5124307,duration=532124449
[0Ktravis_fold:end:before_install.2
[0Ktravis_fold:start:before_install.3
[0Ktravis_time:start:06fcc6d2
[0K$ tar -xzf apache-ant-1.10.5-bin.tar.gz
travis_time:end:06fcc6d2:start=1553367019910342031,finish=155336702015
5223732,duration=244881701
[0Ktravis_fold:end:before_install.3
[0Ktravis_fold:start:before_install.4
[0Ktravis_time:start:282b423a
[0K$ export PATH=`pwd`/apache-ant-1.10.5/bin:$PATH
travis_time:end:282b423a:start=1553367020161005103,finish=155336702016
5467763,duration=4462660
[0Ktravis_fold:end:before_install.4
[0Ktravis_fold:start:before_install.5
[0Ktravis_time:start:11522757
[0K$ echo $(ant -version)
Apache Ant(TM) version 1.10.5 compiled on July 10 2018
travis_time:end:11522757:start=1553367020171996382,finish=155336702049
4923025,duration=322926643
[0Ktravis_fold:end:before_install.5
[0Ktravis_fold:start:install
[0Ktravis_time:start:03665244
[0K$ chmod -R 755 lib/junit/
travis_time:end:03665244:start=1553367020500856983,finish=155336702050
6343383,duration=5486400
[0Ktravis_fold:end:install
[0Kcoverity_scan:start
$ export PROJECT_NAME=TUDa-BP-11/opendiabetes-uam-heuristik
coverity_scan:end
travis_time:start:0e9a81da
[0K$ ant -lib lib/junit
Buildfile: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/build.xml
   [taskdef] Could not load definitions from resource
com/puppycrawl/tools/checkstyle/ant/checkstyle-ant-task.properties. It
could not be found.

Engine:

-pre-init:

-init-private:

-init-user:

-init-project:
```

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

```
-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/built-jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/classes

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/empty
```

```
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/generated-
sources/ap-source-output
    [javac] Compiling 27 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes


-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:
```

```
-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

NSApi:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:
```

```
-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:
```

```
-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:
```

```
-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:
```

```
-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
      [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
clean.properties

-do-clean:
   [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
jar.properties

-check-call-dep:

-maybe-call-dep:
```

```
-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:
```

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
     [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/classes

```
-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/generated-sources/ap-
source-output
    [javac] Compiling 20 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [javac] Note: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-
NSApi/src/de/opendiabetes/vault/nsapi/Main.java uses unchecked or
unsafe operations.
    [javac] Note: Recompile with -Xlint:unchecked for details.

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
```

```
uam-heuristik/code/OpenDiabetes-NSApi/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-
with-dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar
de.opendiabetes.vault.nsapi.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:
```

```
-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-dependencies.jar
into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:

-init-macrodef-copylibs:

-do-jar-copylibs:
  [copylibs] Copy libraries to /home/travis/build/TUDa-BP-
```

```
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/dist/lib.
  [copylibs] Building jar: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar
      [echo] To run this application from the command line without Ant,
try:
      [echo] java -jar "/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar"

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

junit5-test-check:

-pre-pre-compile-test:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/test/classes

-pre-compile-test:

-init-test-javac-module-properties-with-module:

-init-test-module-properties-without-module:

-init-test-module-properties:

-compile-test-depend:

-do-compile-test:
    [javac] Compiling 6 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/build/test/classes

-post-compile-test:

compile-test:

junit5-test:
[junitlauncher]
```

```
[junitlauncher] Test run finished after 53 ms
[junitlauncher] [          2 containers found      ]
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          2 containers started    ]
[junitlauncher] [          0 containers aborted    ]
[junitlauncher] [          2 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [          0 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [          0 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [          0 tests successful      ]
[junitlauncher] [          0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 0 ms
[junitlauncher] [          2 containers found      ]
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          2 containers started    ]
[junitlauncher] [          0 containers aborted    ]
[junitlauncher] [          2 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [          0 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [          0 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [          0 tests successful      ]
[junitlauncher] [          0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 0 ms
[junitlauncher] [          2 containers found      ]
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          2 containers started    ]
[junitlauncher] [          0 containers aborted    ]
[junitlauncher] [          2 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [          0 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [          0 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [          0 tests successful      ]
[junitlauncher] [          0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 1026 ms
[junitlauncher] [          5 containers found      ]
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          5 containers started    ]
[junitlauncher] [          0 containers aborted    ]
[junitlauncher] [          5 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [         15 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [         15 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [         15 tests successful      ]
```

```
[junitlauncher] [          0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 11 ms
[junitlauncher] [          3 containers found      ]
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          3 containers started    ]
[junitlauncher] [          0 containers aborted    ]
[junitlauncher] [          3 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [          2 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [          2 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [          2 tests successful      ]
[junitlauncher] [          0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 0 ms
[junitlauncher] [          2 containers found      ]
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          2 containers started    ]
[junitlauncher] [          0 containers aborted    ]
[junitlauncher] [          2 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [          0 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [          0 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [          0 tests successful      ]
[junitlauncher] [          0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 17685 ms
[junitlauncher] [          5 containers found      ]
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          5 containers started    ]
[junitlauncher] [          0 containers aborted    ]
[junitlauncher] [          5 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [         24 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [         24 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [         20 tests successful      ]
[junitlauncher] [          4 tests failed          ]
[junitlauncher]

BUILD FAILED
/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/build.xml:12:
The following error occurred while executing this line:
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build.xml:62: Test
de.opendiabetes.vault.nsapi.NSApiTest has 4 failure(s)

Total time: 32 seconds
travis_time:end:0e9a81da:start=1553367020551805761,finish=155336705289
```

1005938,duration=32339200177
[0K[31;1mThe command "ant -lib lib/junit" exited with 1.[0m

travis_time:start:00453fc9
[0K$ cat code/*/dist/TEST-*.txt
Testcase: de.opendiabetes.vault.nsapi.ExportImportTest
Test: testInvalidData() took 775 milli sec(s)
Test: testExportType() took 4 milli sec(s)
Test: testExportIOError() took 1 milli sec(s)
Test: testTimezones(VaultEntryType)[1] took 26 milli sec(s)
Test: testTimezones(VaultEntryType)[2] took 2 milli sec(s)
Test: testTimezones(VaultEntryType)[3] took 1 milli sec(s)
Test: testTimezones(VaultEntryType)[4] took 0 milli sec(s)
Test: testExport() took 3 milli sec(s)
Test: testImportData(String)[1] took 1 milli sec(s)
Test: testImportData(String)[2] took 0 milli sec(s)
Test: testImportData(String)[3] took 1 milli sec(s)
Test: testImportData(String)[4] took 1 milli sec(s)
Test: testImportIOError() took 1 milli sec(s)
Test: testImport() took 2 milli sec(s)
Test: testExportMerge() took 8 milli sec(s)
Tests run: 15, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 963
milli sec(s)
------------- Standard Error ---------------
2019-03-23 18:50:34 [WARNING] Could not parse JSON Object:
{"type":"invalid"}
------------- --------------- ---------------
Testcase: de.opendiabetes.vault.nsapi.FormatterTest
Test: testDefaultFormatter() took 1 milli sec(s)
Test: testDebugFormatter() took 8 milli sec(s)
Tests run: 2, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 9
milli sec(s)
Testcase: de.opendiabetes.vault.nsapi.NSApiTest
Test: testEntries() took 692 milli sec(s)
Test: test404() took 112 milli sec(s)
Test: testSlice() took 239 milli sec(s)
Test: testTimes() took 119 milli sec(s)
Test: testEcho(String, String)[1] took 112 milli sec(s)
Test: testEcho(String, String)[2] took 115 milli sec(s)
Test: testTreatmentsBetween() took 468 milli sec(s)
Test: testEntriesBetween() took 458 milli sec(s)
Test: testProfile() took 121 milli sec(s)
Test: testDataCursor(int)[1] took 710 milli sec(s)
Test: testDataCursor(int)[2] took 2 sec(s)
Test: testDataCursor(int)[3] took 695 milli sec(s)
Test: testDataCursor(int)[4] took 812 milli sec(s) FAILED:
org.opentest4j.AssertionFailedError:
        at
org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:34)
        at org.junit.jupiter.api.Assertions.fail(Assertions.java:73)
        at
de.opendiabetes.vault.nsapi.NSApiTest.testDataCursor(NSApiTest.java:31
6)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.j
ava:62)

```
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.junit.platform.commons.util.ReflectionUtils.invokeMethod(Reflectio
nUtils.java:532)
        at
org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(Executable
Invoker.java:115)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda$in
vokeTestMethod$6(TestMethodTestDescriptor.java:171)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.invokeTes
tMethod(TestMethodTestDescriptor.java:167)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:114)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:59)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:108)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.submit(SameThreadHierarchicalTestExecutorService.ja
va:32)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask$DefaultDyn
amicTestExecutor.execute(NodeTestTask.java:157)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:133)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.lambda$
execute$2(TestTemplateTestDescriptor.java:101)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
```

```
java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.java:1
75)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$11$1.accept(ReferencePipeline.java:
373)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.Spliterators$ArraySpliterator.forEachRemaining(Spliterators.
java:948)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
java.util.stream.ReferencePipeline$7$1.accept(ReferencePipeline.java:2
70)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
```

```
java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList.ja
va:1380)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
java.util.stream.ReferencePipeline$7$1.accept(ReferencePipeline.java:2
70)
        at
java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList.ja
va:1380)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:101)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:108)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
```

```
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.submit(SameThreadHierarchicalTestExecutorService.ja
va:32)
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestExecuto
r.execute(HierarchicalTestExecutor.java:57)
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.
execute(HierarchicalTestEngine.java:51)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:220)
        at
org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$6(Defa
ultLauncher.java:188)
        at
org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStream
s(DefaultLauncher.java:202)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:181)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
```

er.java:128)
        at
org.apache.tools.ant.taskdefs.optional.junitlauncher.JUnitLauncherTask
.execute(JUnitLauncherTask.java:93)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
        at
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.helper.SingleCheckExecutor.executeTargets(SingleC
heckExecutor.java:36)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.taskdefs.Ant.execute(Ant.java:437)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
        at
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.Project.executeTarget(Project.java:1361)
        at
org.apache.tools.ant.helper.DefaultExecutor.executeTargets(DefaultExec
utor.java:41)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.Main.runBuild(Main.java:834)
        at org.apache.tools.ant.Main.startAnt(Main.java:223)
        at org.apache.tools.ant.launch.Launcher.run(Launcher.java:284)
        at
org.apache.tools.ant.launch.Launcher.main(Launcher.java:101)

Test: testDataCursor(int)[5] took 1 sec(s) FAILED:
org.opentest4j.AssertionFailedError:
        at
org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:34)

```
        at org.junit.jupiter.api.Assertions.fail(Assertions.java:73)
        at
de.opendiabetes.vault.nsapi.NSApiTest.testDataCursor(NSApiTest.java:31
6)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.j
ava:62)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.junit.platform.commons.util.ReflectionUtils.invokeMethod(Reflectio
nUtils.java:532)
        at
org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(Executable
Invoker.java:115)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda$in
vokeTestMethod$6(TestMethodTestDescriptor.java:171)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.invokeTes
tMethod(TestMethodTestDescriptor.java:167)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:114)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:59)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:108)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.submit(SameThreadHierarchicalTestExecutorService.ja
va:32)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask$DefaultDyn
amicTestExecutor.execute(NodeTestTask.java:157)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:133)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.lambda$
```

```
execute$2(TestTemplateTestDescriptor.java:101)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.java:1
75)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$11$1.accept(ReferencePipeline.java:
373)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.Spliterators$ArraySpliterator.forEachRemaining(Spliterators.
java:948)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
java.util.stream.ReferencePipeline$7$1.accept(ReferencePipeline.java:2
70)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
```

```
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList.ja
va:1380)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
java.util.stream.ReferencePipeline$7$1.accept(ReferencePipeline.java:2
70)
        at
java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList.ja
va:1380)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:101)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:108)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
```

```
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.submit(SameThreadHierarchicalTestExecutorService.ja
va:32)
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestExecuto
r.execute(HierarchicalTestExecutor.java:57)
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.
execute(HierarchicalTestEngine.java:51)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:220)
        at
org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$6(Defa
ultLauncher.java:188)
```

```
        at
org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStream
s(DefaultLauncher.java:202)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:181)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:128)
        at
org.apache.tools.ant.taskdefs.optional.junitlauncher.JUnitLauncherTask
.execute(JUnitLauncherTask.java:93)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
        at
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.helper.SingleCheckExecutor.executeTargets(SingleC
heckExecutor.java:36)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.taskdefs.Ant.execute(Ant.java:437)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
        at
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.Project.executeTarget(Project.java:1361)
        at
org.apache.tools.ant.helper.DefaultExecutor.executeTargets(DefaultExec
utor.java:41)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.Main.runBuild(Main.java:834)
        at org.apache.tools.ant.Main.startAnt(Main.java:223)
```

```
        at org.apache.tools.ant.launch.Launcher.run(Launcher.java:284)
        at
org.apache.tools.ant.launch.Launcher.main(Launcher.java:101)

Test: testDataCursor(int)[6] took 799 milli sec(s)
Test: testDataCursor(int)[7] took 1 sec(s)
Test: testDataCursor(int)[8] took 1 sec(s)
Test: testDataCursor(int)[9] took 1 sec(s) FAILED:
org.opentest4j.AssertionFailedError:
        at
org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:34)
        at org.junit.jupiter.api.Assertions.fail(Assertions.java:73)
        at
de.opendiabetes.vault.nsapi.NSApiTest.testDataCursor(NSApiTest.java:31
6)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.j
ava:62)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.junit.platform.commons.util.ReflectionUtils.invokeMethod(Reflectio
nUtils.java:532)
        at
org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(Executable
Invoker.java:115)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda$in
vokeTestMethod$6(TestMethodTestDescriptor.java:171)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.invokeTes
tMethod(TestMethodTestDescriptor.java:167)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:114)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:59)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:108)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at
```

```
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.submit(SameThreadHierarchicalTestExecutorService.ja
va:32)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask$DefaultDyn
amicTestExecutor.execute(NodeTestTask.java:157)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:133)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.lambda$
execute$2(TestTemplateTestDescriptor.java:101)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.java:1
75)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$11$1.accept(ReferencePipeline.java:
373)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.Spliterators$ArraySpliterator.forEachRemaining(Spliterators.
java:948)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
```

```
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
java.util.stream.ReferencePipeline$7$1.accept(ReferencePipeline.java:2
70)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList.ja
va:1380)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
java.util.stream.ReferencePipeline$7$1.accept(ReferencePipeline.java:2
70)
        at
java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList.ja
va:1380)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
```

```
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:101)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:108)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.submit(SameThreadHierarchicalTestExecutorService.ja
va:32)
        at
```

```
org.junit.platform.engine.support.hierarchical.HierarchicalTestExecuto
r.execute(HierarchicalTestExecutor.java:57)
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.
execute(HierarchicalTestEngine.java:51)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:220)
        at
org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$6(Defa
ultLauncher.java:188)
        at
org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStream
s(DefaultLauncher.java:202)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:181)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:128)
        at
org.apache.tools.ant.taskdefs.optional.junitlauncher.JUnitLauncherTask
.execute(JUnitLauncherTask.java:93)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
        at
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.helper.SingleCheckExecutor.executeTargets(SingleC
heckExecutor.java:36)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.taskdefs.Ant.execute(Ant.java:437)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
```

```
        at
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.Project.executeTarget(Project.java:1361)
        at
org.apache.tools.ant.helper.DefaultExecutor.executeTargets(DefaultExec
utor.java:41)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.Main.runBuild(Main.java:834)
        at org.apache.tools.ant.Main.startAnt(Main.java:223)
        at org.apache.tools.ant.launch.Launcher.run(Launcher.java:284)
        at
org.apache.tools.ant.launch.Launcher.main(Launcher.java:101)

Test: testDataCursor(int)[10] took 804 milli sec(s) FAILED:
org.opentest4j.AssertionFailedError:
        at
org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:34)
        at org.junit.jupiter.api.Assertions.fail(Assertions.java:73)
        at
de.opendiabetes.vault.nsapi.NSApiTest.testDataCursor(NSApiTest.java:31
6)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.j
ava:62)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.junit.platform.commons.util.ReflectionUtils.invokeMethod(Reflectio
nUtils.java:532)
        at
org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(Executable
Invoker.java:115)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda$in
vokeTestMethod$6(TestMethodTestDescriptor.java:171)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.invokeTes
tMethod(TestMethodTestDescriptor.java:167)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:114)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:59)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:108)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
```

ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.submit(SameThreadHierarchicalTestExecutorService.ja
va:32)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask$DefaultDyn
amicTestExecutor.execute(NodeTestTask.java:157)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:133)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.lambda$
execute$2(TestTemplateTestDescriptor.java:101)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.java:1
75)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$11$1.accept(ReferencePipeline.java:
373)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.accept(ForEachOps.java:184
)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.Spliterators$ArraySpliterator.forEachRemaining(Spliterators.
java:948)
        at

```
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
java.util.stream.ReferencePipeline$7$1.accept(ReferencePipeline.java:2
70)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:1
93)
        at
java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList.ja
va:1380)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
java.util.stream.ReferencePipeline$7$1.accept(ReferencePipeline.java:2
70)
        at
java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList.ja
va:1380)
        at
java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
        at
java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.jav
a:471)
        at
java.util.stream.ForEachOps$ForEachOp.evaluateSequential(ForEachOps.ja
```

```
va:151)
        at
java.util.stream.ForEachOps$ForEachOp$OfRef.evaluateSequential(ForEach
Ops.java:174)
        at
java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
        at
java.util.stream.ReferencePipeline.forEach(ReferencePipeline.java:418)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:101)
        at
org.junit.jupiter.engine.descriptor.TestTemplateTestDescriptor.execute
(TestTemplateTestDescriptor.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:108)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
```

```
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.submit(SameThreadHierarchicalTestExecutorService.ja
va:32)
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestExecuto
r.execute(HierarchicalTestExecutor.java:57)
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.
execute(HierarchicalTestEngine.java:51)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:220)
        at
org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$6(Defa
ultLauncher.java:188)
        at
org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStream
s(DefaultLauncher.java:202)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:181)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:128)
        at
org.apache.tools.ant.taskdefs.optional.junitlauncher.JUnitLauncherTask
.execute(JUnitLauncherTask.java:93)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
        at
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.helper.SingleCheckExecutor.executeTargets(SingleC
heckExecutor.java:36)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.taskdefs.Ant.execute(Ant.java:437)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
```

```
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
        at
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.Project.executeTarget(Project.java:1361)
        at
org.apache.tools.ant.helper.DefaultExecutor.executeTargets(DefaultExec
utor.java:41)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.Main.runBuild(Main.java:834)
        at org.apache.tools.ant.Main.startAnt(Main.java:223)
        at org.apache.tools.ant.launch.Launcher.run(Launcher.java:284)
        at
org.apache.tools.ant.launch.Launcher.main(Launcher.java:101)

Test: testDataCursor(int)[11] took 1 sec(s)
Test: testDataCursor(int)[12] took 1 sec(s)
Test: testEchoTimes() took 109 milli sec(s)
Test: testTreatments() took 461 milli sec(s)
Test: testStatus() took 232 milli sec(s)
Tests run: 24, Failures: 4, Skipped: 0, Aborted: 0, Time elapsed: 17
sec(s)
------------- Standard Output ---------------
Found two entries at the same date: Wed Feb 27 19:50:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:45:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:40:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:35:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:30:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:25:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:20:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:15:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:10:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:50:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:45:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:40:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:35:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:30:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:25:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:20:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:15:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:10:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:50:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:45:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:40:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:35:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:30:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:25:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:20:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:15:00 UTC 2019
```

```
Found two entries at the same date: Wed Feb 27 19:10:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:50:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:45:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:40:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:35:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:30:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:25:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:20:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:15:00 UTC 2019
Found two entries at the same date: Wed Feb 27 19:10:00 UTC 2019
------------- ---------------- ---------------
travis_time:end:00453fc9:start=1553367052898156462,finish=155336705290
2865409,duration=4708947
[0K[32;1mThe command "cat code/*/dist/TEST-*.txt" exited with 0.[0m


Done. Your build exited with 1.
```

A.9.2 Build PR45 passed

```
travis_fold:start:worker_info
[0K[33;1mWorker information[0m
hostname: 40cd8902-600f-4abd-b19f-f6523ff57ca1@1.production-1-worker-
org-gce-51g9
version: v6.2.0 https://github.com/travis-
ci/worker/tree/5e5476e01646095f48eec13196fdb3faf8f5cbf7
instance: travis-job-0f6f4e24-da84-446a-8638-884c704af28d travis-ci-
garnet-trusty-1512502259-986baf0 (via amqp)
startup: 6.938401596s
travis_fold:end:worker_info
[0Ktravis_fold:start:system_info
[0K[33;1mBuild system information[0m
Build language: java
Build group: stable
Build dist: trusty
Build id: 510400822
Job id: 510400823
Runtime kernel version: 4.4.0-101-generic
travis-build version: d6b12fc73
[34m[1mBuild image provisioning date and time[0m
Tue Dec  5 19:58:13 UTC 2017
[34m[1mOperating System Details[0m
Distributor ID: Ubuntu
Description:    Ubuntu 14.04.5 LTS
Release:       14.04
Codename:      trusty
[34m[1mCookbooks Version[0m
7c2c6a6 https://github.com/travis-ci/travis-cookbooks/tree/7c2c6a6
[34m[1mgit version[0m
git version 2.15.1
[34m[1mbash version[0m
GNU bash, version 4.3.11(1)-release (x86_64-pc-linux-gnu)
[34m[1mgcc version[0m
gcc (Ubuntu 4.8.4-2ubuntu1~14.04.3) 4.8.4
Copyright (C) 2013 Free Software Foundation, Inc.
This is free software; see the source for copying conditions.  There
is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.

[34m[1mdocker version[0m
Client:
 Version:      17.09.0-ce
 API version:  1.32
 Go version:   go1.8.3
 Git commit:   afdb6d4
 Built:        Tue Sep 26 22:42:38 2017
 OS/Arch:      linux/amd64

Server:
 Version:      17.09.0-ce
 API version:  1.32 (minimum version 1.12)
 Go version:   go1.8.3
 Git commit:   afdb6d4
 Built:        Tue Sep 26 22:41:20 2017
 OS/Arch:      linux/amd64
```

```
 Experimental: false
[34m[1mclang version[0m
clang version 5.0.0 (tags/RELEASE_500/final)
Target: x86_64-unknown-linux-gnu
Thread model: posix
InstalledDir: /usr/local/clang-5.0.0/bin
[34m[1mjq version[0m
jq-1.5
[34m[1mbats version[0m
Bats 0.4.0
[34m[1mshellcheck version[0m
0.4.6
[34m[1mshfmt version[0m
v2.0.0
[34m[1mccache version[0m
ccache version 3.1.9

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Copyright (C) 2009-2011 Joel Rosdahl

This program is free software; you can redistribute it and/or modify
it under
the terms of the GNU General Public License as published by the Free
Software
Foundation; either version 3 of the License, or (at your option) any
later
version.
[34m[1mcmake version[0m
cmake version 3.9.2

CMake suite maintained and supported by Kitware (kitware.com/cmake).
[34m[1mheroku version[0m
heroku-cli/6.14.39-addc925 (linux-x64) node-v9.2.0
[34m[1mimagemagick version[0m
Version: ImageMagick 6.7.7-10 2017-07-31 Q16
http://www.imagemagick.org
[34m[1mmd5deep version[0m
4.2
[34m[1mmercurial version[0m
Mercurial Distributed SCM (version 4.2.2)
(see https://mercurial-scm.org for more information)

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This is free software; see the source for copying conditions. There is
NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.
[34m[1mmysql version[0m
mysql  Ver 14.14 Distrib 5.6.33, for debian-linux-gnu (x86_64) using
EditLine wrapper
[34m[1mopenssl version[0m
OpenSSL 1.0.1f 6 Jan 2014
[34m[1mpacker version[0m
Packer v1.0.2

Your version of Packer is out of date! The latest version
is 1.1.2. You can update by downloading from www.packer.io
```

[34m[1mpostgresql client version[0m
psql (PostgreSQL) 9.6.6
[34m[1mragel version[0m
Ragel State Machine Compiler version 6.8 Feb 2013
Copyright (c) 2001-2009 by Adrian Thurston
[34m[1msubversion version[0m
svn, version 1.8.8 (r1568071)
   compiled Aug 10 2017, 17:20:39 on x86_64-pc-linux-gnu

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This software consists of contributions made by many people;
see the NOTICE file for more information.
Subversion is open source software, see http://subversion.apache.org/

The following repository access (RA) modules are available:

* ra_svn : Module for accessing a repository using the svn network
protocol.
  - with Cyrus SASL authentication
  - handles 'svn' scheme
* ra_local : Module for accessing a repository on local disk.
  - handles 'file' scheme
* ra_serf : Module for accessing a repository via WebDAV protocol
using serf.
  - using serf 1.3.3
  - handles 'http' scheme
  - handles 'https' scheme

[34m[1msudo version[0m
Sudo version 1.8.9p5
Configure options: --prefix=/usr -v --with-all-insults --with-pam --
with-fqdn --with-logging=syslog --with-logfac=authpriv --with-env-
editor --with-editor=/usr/bin/editor --with-timeout=15 --with-
password-timeout=0 --with-passprompt=[sudo] password for %p: --
without-lecture --with-tty-tickets --disable-root-mailer --enable-
admin-flag --with-sendmail=/usr/sbin/sendmail --with-
timedir=/var/lib/sudo --mandir=/usr/share/man --
libexecdir=/usr/lib/sudo --with-sssd --with-sssd-lib=/usr/lib/x86_64-
linux-gnu --with-selinux
Sudoers policy plugin version 1.8.9p5
Sudoers file grammar version 43

Sudoers path: /etc/sudoers
Authentication methods: 'pam'
Syslog facility if syslog is being used for logging: authpriv
Syslog priority to use when user authenticates successfully: notice
Syslog priority to use when user authenticates unsuccessfully: alert
Send mail if the user is not in sudoers
Use a separate timestamp for each user/tty combo
Lecture user the first time they run sudo
Root may run sudo
Allow some information gathering to give useful error messages
Require fully-qualified hostnames in the sudoers file
Visudo will honor the EDITOR environment variable
Set the LOGNAME and USER environment variables
Length at which to wrap log file lines (0 for no wrap): 80
Authentication timestamp timeout: 15.0 minutes

```
Password prompt timeout: 0.0 minutes
Number of tries to enter a password: 3
Umask to use or 0777 to use user's: 022
Path to mail program: /usr/sbin/sendmail
Flags for mail program: -t
Address to send mail to: root
Subject line for mail messages: *** SECURITY information for %h ***
Incorrect password message: Sorry, try again.
Path to authentication timestamp dir: /var/lib/sudo
Default password prompt: [sudo] password for %p:
Default user to run commands as: root
Value to override user's $PATH with:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin
Path to the editor for use by visudo: /usr/bin/editor
When to require a password for 'list' pseudocommand: any
When to require a password for 'verify' pseudocommand: all
File descriptors >= 3 will be closed before executing a command
Environment variables to check for sanity:
        TZ
        TERM
        LINGUAS
        LC_*
        LANGUAGE
        LANG
        COLORTERM
Environment variables to remove:
        RUBYOPT
        RUBYLIB
        PYTHONUSERBASE
        PYTHONINSPECT
        PYTHONPATH
        PYTHONHOME
        TMPPREFIX
        ZDOTDIR
        READNULLCMD
        NULLCMD
        FPATH
        PERL5DB
        PERL5OPT
        PERL5LIB
        PERLLIB
        PERLIO_DEBUG
        JAVA_TOOL_OPTIONS
        SHELLOPTS
        GLOBIGNORE
        PS4
        BASH_ENV
        ENV
        TERMCAP
        TERMPATH
        TERMINFO_DIRS
        TERMINFO
        _RLD*
        LD_*
        PATH_LOCALE
        NLSPATH
        HOSTALIASES
```

```
                RES_OPTIONS
                LOCALDOMAIN
                CDPATH
                IFS
Environment variables to preserve:
                JAVA_HOME
                TRAVIS
                CI
                DEBIAN_FRONTEND
                XAUTHORIZATION
                XAUTHORITY
                PS2
                PS1
                PATH
                LS_COLORS
                KRB5CCNAME
                HOSTNAME
                HOME
                DISPLAY
                COLORS
Locale to use while parsing sudoers: C
Directory in which to store input/output logs: /var/log/sudo-io
File in which to store the input/output log: %{seq}
Add an entry to the utmp/utmpx file when allocating a pty
PAM service name to use
PAM service name to use for login shells
Create a new PAM session for the command to run in
Maximum I/O log sequence number: 0

Local IP address and netmask pairs:
                10.240.0.28/255.255.255.255
                172.17.0.1/255.255.0.0

Sudoers I/O plugin version 1.8.9p5
[34m[1mgzip version[0m
gzip 1.6
Copyright (C) 2007, 2010, 2011 Free Software Foundation, Inc.
Copyright (C) 1993 Jean-loup Gailly.
This is free software.  You may redistribute copies of it under the
terms of
the GNU General Public License <http://www.gnu.org/licenses/gpl.html>.
There is NO WARRANTY, to the extent permitted by law.

Written by Jean-loup Gailly.
[34m[1mzip version[0m
Copyright (c) 1990-2008 Info-ZIP - Type 'zip "-L"' for software
license.
This is Zip 3.0 (July 5th 2008), by Info-ZIP.
Currently maintained by E. Gordon.  Please send bug reports to
the authors using the web page at www.info-zip.org; see README for
details.

Latest sources and executables are at ftp://ftp.info-
zip.org/pub/infozip,
as of above date; see http://www.info-zip.org/ for other sites.

Compiled with gcc 4.8.2 for Unix (Linux ELF) on Oct 21 2013.
```

Zip special compilation options:
        USE_EF_UT_TIME   (store Universal Time)
        BZIP2_SUPPORT   (bzip2 library version 1.0.6, 6-Sept-
2010)
            bzip2 code and library copyright (c) Julian R Seward
            (See the bzip2 license for terms of use)
        SYMLINK_SUPPORT   (symbolic links supported)
        LARGE_FILE_SUPPORT   (can read and write large files on file
system)
        ZIP64_SUPPORT   (use Zip64 to store large files in
archives)
        UNICODE_SUPPORT   (store and read UTF-8 Unicode paths)
        STORE_UNIX_UIDs_GIDs (store UID/GID sizes/values using new
extra field)
        UIDGID_NOT_16BIT   (old Unix 16-bit UID/GID extra field not
used)
        [encryption, version 2.91 of 05 Jan 2007] (modified for Zip 3)

Encryption notice:
        The encryption code of this program is not copyrighted and is
        put in the public domain. It was originally written in Europe
        and, to the best of our knowledge, can be freely distributed
        in both source and object forms from any country, including
        the USA under License Exception TSU of the U.S. Export
        Administration Regulations (section 740.13(e)) of 6 June 2002.

Zip environment options:
            ZIP: [none]
         ZIPOPT: [none]
[34m[1mvim version[0m
VIM - Vi IMproved 7.4 (2013 Aug 10, compiled Nov 24 2016 16:43:18)
Included patches: 1-52
Extra patches: 8.0.0056
Modified by pkg-vim-maintainers@lists.alioth.debian.org
Compiled by buildd@
Huge version without GUI. Features included (+) or not (-):
+acl   +farsi   +mouse_netterm   +syntax
+arabic   +file_in_path   +mouse_sgr   +tag_binary
+autocmd   +find_in_path   -mouse_sysmouse +tag_old_static
-balloon_eval   +float   +mouse_urxvt   -tag_any_white
-browse   +folding   +mouse_xterm   -tcl
++builtin_terms -footer   +multi_byte   +terminfo
+byte_offset   +fork()   +multi_lang   +termresponse
+cindent   +gettext   -mzscheme   +textobjects
-clientserver   -hangul_input   +netbeans_intg   +title
-clipboard   +iconv   +path_extra   -toolbar
+cmdline_compl   +insert_expand   -perl   +user_commands
+cmdline_hist   +jumplist   +persistent_undo +vertsplit
+cmdline_info   +keymap   +postscript   +virtualedit
+comments   +langmap   +printer   +visual
+conceal   +libcall   +profile   +visualextra
+cryptv   +linebreak   +python   +viminfo
+cscope   +lispindent   -python3   +vreplace
+cursorbind   +listcmds   +quickfix   +wildignore
+cursorshape   +localmap   +reltime   +wildmenu
+dialog_con   -lua   +rightleft   +windows

```
+diff            +menu           -ruby           +writebackup
+digraphs        +mksession      +scrollbind     -X11
-dnd             +modify_fname   +signs          -xfontset
-ebcdic          +mouse          +smartindent    -xim
+emacs_tags      -mouseshape     -sniff          -xsmp
+eval            +mouse_dec      +startuptime    -xterm_clipboard
+ex_extra        +mouse_gpm      +statusline     -xterm_save
+extra_search    -mouse_jsbterm  -sun_workshop   -xpm
   system vimrc file: "$VIM/vimrc"
     user vimrc file: "$HOME/.vimrc"
 2nd user vimrc file: "~/.vim/vimrc"
      user exrc file: "$HOME/.exrc"
  fall-back for $VIM: "/usr/share/vim"
Compilation: gcc -c -I. -Iproto -DHAVE_CONFIG_H     -g -O2 -fstack-
protector --param=ssp-buffer-size=4 -Wformat -Werror=format-security -
U_FORTIFY_SOURCE -D_FORTIFY_SOURCE=1
Linking: gcc   -Wl,-Bsymbolic-functions -Wl,-z,relro -Wl,--as-needed -
o vim        -lm -ltinfo -lnsl  -lselinux  -lacl -lattr -lgpm -ldl
-L/usr/lib/python2.7/config-x86_64-linux-gnu -lpython2.7 -lpthread -
ldl -lutil -lm -Xlinker -export-dynamic -Wl,-O1 -Wl,-Bsymbolic-
functions
[34m[1miptables version[0m
iptables v1.4.21
[34m[1mcurl version[0m
curl 7.35.0 (x86_64-pc-linux-gnu) libcurl/7.35.0 OpenSSL/1.0.1f
zlib/1.2.8 libidn/1.28 librtmp/2.3
[34m[1mwget version[0m
GNU Wget 1.15 built on linux-gnu.
[34m[1mrsync version[0m
rsync  version 3.1.0  protocol version 31
[34m[1mgimme version[0m
v1.2.0
[34m[1mnvm version[0m
0.33.6
[34m[1mperlbrew version[0m
/home/travis/perl5/perlbrew/bin/perlbrew  - App::perlbrew/0.80
[34m[1mphpenv version[0m
rbenv 1.1.1-25-g6aa70b6
[34m[1mrvm version[0m
rvm 1.29.3 (latest) by Michal Papis, Piotr Kuczynski, Wayne E. Seguin
[https://rvm.io]
[34m[1mdefault ruby version[0m
ruby 2.4.1p111 (2017-03-22 revision 58053) [x86_64-linux]
[34m[1mCouchDB version[0m
couchdb 1.6.1
[34m[1mElasticSearch version[0m
5.5.0
[34m[1mInstalled Firefox version[0m
firefox 56.0.2
[34m[1mMongoDB version[0m
MongoDB 3.4.10
[34m[1mPhantomJS version[0m
2.1.1
[34m[1mPre-installed PostgreSQL versions[0m
9.2.24
9.3.20
9.4.15
```

```
9.5.10
9.6.6
[34m[1mRabbitMQ Version[0m
3.6.14
[34m[1mRedis version[0m
redis-server 4.0.6
[34m[1mriak version[0m
2.2.3
[34m[1mPre-installed Go versions[0m
1.7.4
[34m[1mant version[0m
Apache Ant(TM) version 1.9.3 compiled on April 8 2014
[34m[1mmvn version[0m
Apache Maven 3.5.2 (138edd61fd100ec658bfa2d307c43b76940a5d7d; 2017-10-
18T07:58:13Z)
Maven home: /usr/local/maven-3.5.2
Java version: 1.8.0_151, vendor: Oracle Corporation
Java home: /usr/lib/jvm/java-8-oracle/jre
Default locale: en_US, platform encoding: UTF-8
OS name: "linux", version: "4.4.0-98-generic", arch: "amd64", family:
"unix"
[34m[1mgradle version[0m

------------------------------------------------------------
Gradle 4.0.1
------------------------------------------------------------

Build time:   2017-07-07 14:02:41 UTC
Revision:     38e5dc0f772daecca1d2681885d3d85414eb6826

Groovy:       2.4.11
Ant:          Apache Ant(TM) version 1.9.6 compiled on June 29 2015
JVM:          1.8.0_151 (Oracle Corporation 25.151-b12)
OS:           Linux 4.4.0-98-generic amd64

[34m[1mlein version[0m
Leiningen 2.8.1 on Java 1.8.0_151 Java HotSpot(TM) 64-Bit Server VM
[34m[1mPre-installed Node.js versions[0m
v4.8.6
v6.12.0
v6.12.1
v8.9
v8.9.1
[34m[1mphpenv versions[0m
  system
  5.6
* 5.6.32 (set by /home/travis/.phpenv/version)
  7.0
  7.0.25
  7.1
  7.1.11
  hhvm
  hhvm-stable
[34m[1mcomposer --version[0m
Composer version 1.5.2 2017-09-11 16:59:25
[34m[1mPre-installed Ruby versions[0m
ruby-2.2.7
```

```
ruby-2.3.4
ruby-2.4.1
travis_fold:end:system_info
[0K
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign CloudSSL CA -
SHA256 - G3
verify error:num=20:unable to get local issuer certificate
verify return:0
DONE

travis_fold:start:git.checkout
[0Ktravis_time:start:0c4b1987
[0K$ git clone --depth=50 https://github.com/TUDa-BP-11/opendiabetes-
uam-heuristik.git TUDa-BP-11/opendiabetes-uam-heuristik
Cloning into 'TUDa-BP-11/opendiabetes-uam-heuristik'...
travis_time:end:0c4b1987:start=1553372679483592518,finish=155337268093
7535519,duration=1453943001
[0K$ cd TUDa-BP-11/opendiabetes-uam-heuristik
travis_time:start:19b7ed8c
[0K$ git fetch origin +refs/pull/45/merge:
From https://github.com/TUDa-BP-11/opendiabetes-uam-heuristik
 * branch            refs/pull/45/merge -> FETCH_HEAD
travis_time:end:19b7ed8c:start=1553372680943294162,finish=155337268135
1714578,duration=408420416
[0K$ git checkout -qf FETCH_HEAD
travis_fold:end:git.checkout
[0K

[33;1mSetting environment variables from repository settings[0m
$ export encrypted_45abb2cc142e_key=[secure]
$ export encrypted_45abb2cc142e_iv=[secure]

[33;1mSetting environment variables from .travis.yml[0m
$ export COVERITY_SCAN_TOKEN=[secure]
$ export NS_HOST=[secure]
$ export NS_APISECRET=[secure]
$ export NS_HOST_2=[secure]
$ export NS_APISECRET_2=[secure]

$ java -Xmx32m -version
java version "1.8.0_151"
Java(TM) SE Runtime Environment (build 1.8.0_151-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.151-b12, mixed mode)
$ javac -J-Xmx32m -version
javac 1.8.0_151
travis_fold:start:before_install.1
[0Ktravis_time:start:08355a90
[0K$ echo -n | openssl s_client -connect scan.coverity.com:https | sed
-ne '/-BEGIN CERTIFICATE-/,/-END CERTIFICATE-/p' | sudo tee -a
/etc/ssl/certs/ca-
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign CloudSSL CA -
SHA256 - G3
verify error:num=20:unable to get local issuer certificate
verify return:0
DONE
-----BEGIN CERTIFICATE-----
MIIF0zCCBLugAwIBAgIMMi+Gr0Am2nS3IkbqMA0GCSqGSIb3DQEBCwUAMFcxCzAJ
```

BgNVBAYTAkJFMRkwFwYDVQQKExBhbG9iYWxTaWduIG52LXNhMS0wKwYDVQQDEyRH
bG9iYWxTaWduIENsb3VkU1NMIENBIC0gU0hBMjU2IC0gRzMwHhcNMTkwMTI2MDEx
OTU1WhcNMTkwNjEwMDk0MDIyWjBgMQswCQYDVQQGEwJVUzERMA8GA1UECBMIRGVs
YXdhcmUxDjAMBgNVBAcTBURvdmVyMRYwFAYDVQQKEw1JbmNhcHN1bGEgSW5jMRYw
FAYDVQQDEw1pbmNhcHN1bGEuY29tMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIB
CgKCAQEAwhONkWDmVzsMgawf/tcsZb47+6lqSx/NYJkFK1LN748tm9g7GjHIEPEC
4l8bWtpKNohMN8EuGpfGqPlFn7p6YAbZxa+QWpvoSZx+GBnvmm6ItYVbpaUXierH
xTf6qRO20eUhmEFCSPZdRaRFHdApZX2zyVDuVe1vAa5/SyzB+0EWKPR+espbUPu8
HwHWfegsBUjLX0eAbdYeVLJXSlJ1SLyDa4AXhWG3pRTKsasbtaN0afG8HQMLAKmz
dnTWXDlZDB+QTcneRcsTeeu3kPuslTNBHgxAzL5HWJvkqtpcbGXHtrQEzeLAydiZ
KAsDaZyJtZuB1DGnbg288tVqBivMsQIDAQABo4IClDCCApAwDgYDVR0PAQH/BAQD
AgWgMIGKBggrBgEFBQcBAQR+MHwwQgYIKwYBBQUHMAKGNmh0dHA6Ly9zZWN1cmUu
Z2xvYmFsc2lnbi5jb20vY2FjZXJ0L2Nsb3Vkc3Nsc2hhMmczLmNydDA2BggrBgEF
BQcwAYYqaHR0cDovL29jc3AyLmdsb2JhbHNpZ24uY29tL2Nsb3Vkc3Nsc2hhMmcz
MFYGA1UdIARPME0wQQYJKwYBBAGgMgEUMDQwMgYIKwYBBQUHAgEWJmh0dHBzOi8v
d3d3Lmdsb2JhbHNpZ24uY29tL3JlcG9zaXRvcnkvMAgGBmeBDAECAjAJBgNVHRME
AjAAMCgGA1UdEQQhMB+CDWluY2Fwc3VsYS5jb22CDiouY292ZXJpdHkuY29tMB0G
A1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAdBgNVHQ4EFgQURPfw1uIQZlX5
U+C6HKQDAO2fRsQwHwYDVR0jBBgwFoAUqSuH4c4kRzsbv8+FNwJVnQ2UWOYwggED
BgorBgEEAdZ5AgQCBIH0BIHxAO8AdgBVgdTCFpA2AUrqC5tXPFPwwOQ4eHAlCBcv
o6odBxPTDAAAWiHveijAAAEAwBHMEUCIQCYjxKNk2JP2JeIC7RSIKtVIqcUgdnm
QpaXuodoTYVqYQIgLmQ/waQirZzUOB8azMksPuPI/+SIgtYBlaROEEtYancAdQDu
S723dc5guuFCaR+r4Z5mow9+X7By2IMAxHuJeqj9ywAAAWiHvehxAAAEAwBGMEQC
IFQGP92eoc+GTuPa53nOly0v8iXquOBiAceKDQ/xjTlQAiBIASBr6UCrdkPkTsWf
zrsgKLc/tmwraE/sWxtX0AoAczANBgkqhkiG9w0BAQsFAAOCAQEAEevddM79yQ3X
KLEkL8biVSOaTT+S3HzxCGjBsMfLOZ12VKBvG8dGoAibzq6VqWEDmP4YK1t5Q4M8
NAyqcHDJBCXZzf6XuqakcmymCxKa5ES69h1xQcknQgDxWm424tnTSqt2+roD8ZHK
6eL4/JMTg2AFwvX1str0grIFvOeE3/kDGPFGymaBDc5aloyX2C5Em9QFdTodh3PE
OdE8XNy2OEKvU8MjzIHwYA+pR2UiNq6rpLXdREPRWnqnuipddt2y7Tk7kWG/iE+h
AMHj7QF41syi0yGgAN848QX8qCB5DW8+ssVtww7bETqesf+7gZHgjvUY67BckyEU
QJvmLCdWJw==
-----END CERTIFICATE-----
travis_time:end:08355a90:start=1553372682203764237,finish=155337268226
3430521,duration=59666284
[0Ktravis_fold:end:before_install.1
[0Ktravis_fold:start:before_install.2
[0Ktravis_time:start:008f9f14
[0K$ wget --no-check-certificate
https://www.apache.org/dist/ant/binaries/apache-ant-1.10.5-bin.tar.gz
--2019-03-23 20:24:42--
https://www.apache.org/dist/ant/binaries/apache-ant-1.10.5-bin.tar.gz
Resolving www.apache.org (www.apache.org)... 95.216.24.32, 40.79.78.1,
2a01:4f9:2a:185f::2
Connecting to www.apache.org (www.apache.org)|95.216.24.32|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 6108214 (5.8M) [application/x-gzip]
Saving to: 'apache-ant-1.10.5-bin.tar.gz'

     0K 0%
200K 30s
    50K 1%
400K 22s
   100K 2%
53.0M 15s
   150K 3%
404K 14s

```
    200K ..........  ...........  ...........  ...........  ...........  4%
35.1M 11s
    250K ..........  ...........  ...........  ...........  ...........  5%
73.8M 9s
    300K ..........  ...........  ...........  ...........  ...........  5%
29.2M 8s
    350K ..........  ...........  ...........  ...........  ...........  6%
276M 7s
    400K ..........  ...........  ...........  ...........  ...........  7%
410K 8s
    450K ..........  ...........  ...........  ...........  ...........  8%
89.9M 7s
    500K ..........  ...........  ...........  ...........  ...........  9%
28.1M 6s
    550K ..........  ...........  ...........  ...........  ...........  10%
27.9M 6s
    600K ..........  ...........  ...........  ...........  ...........  10%
40.3M 5s
    650K ..........  ...........  ...........  ...........  ...........  11%
40.9M 5s
    700K ..........  ...........  ...........  ...........  ...........  12%
38.9M 4s
    750K ..........  ...........  ...........  ...........  ...........  13%
40.6M 4s
    800K ..........  ...........  ...........  ...........  ...........  14%
1.67M 4s
    850K ..........  ...........  ...........  ...........  ...........  15%
574K 4s
    900K ..........  ...........  ...........  ...........  ...........  15%
61.4M 4s
    950K ..........  ...........  ...........  ...........  ...........  16%
56.7M 4s
   1000K ..........  ...........  ...........  ...........  ...........  17%
57.8M 4s
   1050K ..........  ...........  ...........  ...........  ...........  18%
41.4M 3s
   1100K ..........  ...........  ...........  ...........  ...........  19%
40.0M 3s
   1150K ..........  ...........  ...........  ...........  ...........  20%
80.9M 3s
   1200K ..........  ...........  ...........  ...........  ...........  20%
53.4M 3s
   1250K ..........  ...........  ...........  ...........  ...........  21%
79.9M 3s
   1300K ..........  ...........  ...........  ...........  ...........  22%
44.8M 3s
   1350K ..........  ...........  ...........  ...........  ...........  23%
38.5M 2s
   1400K ..........  ...........  ...........  ...........  ...........  24%
22.2M 2s
   1450K ..........  ...........  ...........  ...........  ...........  25%
80.7M 2s
   1500K ..........  ...........  ...........  ...........  ...........  25%
82.5M 2s
   1550K ..........  ...........  ...........  ...........  ...........  26%
68.8M 2s
   1600K ..........  ...........  ...........  ...........  ...........  27%
```

```
61.8M 2s
   1650K .......... .......... .......... .......... .......... 28%
2.08M 2s
   1700K .......... .......... .......... .......... .......... 29%
577K 2s
   1750K .......... .......... .......... .......... .......... 30%
75.7M 2s
   1800K .......... .......... .......... .......... .......... 31%
33.9M 2s
   1850K .......... .......... .......... .......... .......... 31%
83.2M 2s
   1900K .......... .......... .......... .......... .......... 32%
86.1M 2s
   1950K .......... .......... .......... .......... .......... 33%
54.8M 2s
   2000K .......... .......... .......... .......... .......... 34%
62.0M 2s
   2050K .......... .......... .......... .......... .......... 35%
67.6M 2s
   2100K .......... .......... .......... .......... .......... 36%
36.5M 2s
   2150K .......... .......... .......... .......... .......... 36%
36.5M 2s
   2200K .......... .......... .......... .......... .......... 37%
83.9M 1s
   2250K .......... .......... .......... .......... .......... 38%
47.0M 1s
   2300K .......... .......... .......... .......... .......... 39%
80.8M 1s
   2350K .......... .......... .......... .......... .......... 40%
111M 1s
   2400K .......... .......... .......... .......... .......... 41%
63.5M 1s
   2450K .......... .......... .......... .......... .......... 41%
92.2M 1s
   2500K .......... .......... .......... .......... .......... 42%
73.5M 1s
   2550K .......... .......... .......... .......... .......... 43%
55.9M 1s
   2600K .......... .......... .......... .......... .......... 44%
60.9M 1s
   2650K .......... .......... .......... .......... .......... 45%
53.0M 1s
   2700K .......... .......... .......... .......... .......... 46%
61.3M 1s
   2750K .......... .......... .......... .......... .......... 46%
45.7M 1s
   2800K .......... .......... .......... .......... .......... 47%
32.9M 1s
   2850K .......... .......... .......... .......... .......... 48%
132M 1s
   2900K .......... .......... .......... .......... .......... 49%
28.0M 1s
   2950K .......... .......... .......... .......... .......... 50%
312M 1s
   3000K .......... .......... .......... .......... .......... 51%
48.4M 1s
```

```
    3050K  .......... .......... .......... .......... .......... 51%
85.4M 1s
    3100K  .......... .......... .......... .......... .......... 52%
77.5M 1s
    3150K  .......... .......... .......... .......... .......... 53%
65.3M 1s
    3200K  .......... .......... .......... .......... .......... 54%
34.5M 1s
    3250K  .......... .......... .......... .......... .......... 55%
115M 1s
    3300K  .......... .......... .......... .......... .......... 56%
3.95M 1s
    3350K  .......... .......... .......... .......... .......... 56%
156M 1s
    3400K  .......... .......... .......... .......... .......... 57%
46.3M 1s
    3450K  .......... .......... .......... .......... .......... 58%
587K 1s
    3500K  .......... .......... .......... .......... .......... 59%
65.0M 1s
    3550K  .......... .......... .......... .......... .......... 60%
124M 1s
    3600K  .......... .......... .......... .......... .......... 61%
45.6M 1s
    3650K  .......... .......... .......... .......... .......... 62%
98.5M 1s
    3700K  .......... .......... .......... .......... .......... 62%
90.1M 1s
    3750K  .......... .......... .......... .......... .......... 63%
45.5M 1s
    3800K  .......... .......... .......... .......... .......... 64%
117M 1s
    3850K  .......... .......... .......... .......... .......... 65%
86.1M 1s
    3900K  .......... .......... .......... .......... .......... 66%
62.7M 1s
    3950K  .......... .......... .......... .......... .......... 67%
83.4M 0s
    4000K  .......... .......... .......... .......... .......... 67%
68.2M 0s
    4050K  .......... .......... .......... .......... .......... 68%
60.5M 0s
    4100K  .......... .......... .......... .......... .......... 69%
57.0M 0s
    4150K  .......... .......... .......... .......... .......... 70%
49.9M 0s
    4200K  .......... .......... .......... .......... .......... 71%
51.1M 0s
    4250K  .......... .......... .......... .......... .......... 72%
43.0M 0s
    4300K  .......... .......... .......... .......... .......... 72%
205M 0s
    4350K  .......... .......... .......... .......... .......... 73%
88.8M 0s
    4400K  .......... .......... .......... .......... .......... 74%
48.1M 0s
    4450K  .......... .......... .......... .......... .......... 75%
```

```
80.0M 0s
  4500K .......... .......... .......... .......... .......... 76%
51.2M 0s
  4550K .......... .......... .......... .......... .......... 77%
79.5M 0s
  4600K .......... .......... .......... .......... .......... 77%
77.3M 0s
  4650K .......... .......... .......... .......... .......... 78%
36.9M 0s
  4700K .......... .......... .......... .......... .......... 79%
80.1M 0s
  4750K .......... .......... .......... .......... .......... 80%
88.9M 0s
  4800K .......... .......... .......... .......... .......... 81%
60.6M 0s
  4850K .......... .......... .......... .......... .......... 82%
45.8M 0s
  4900K .......... .......... .......... .......... .......... 82%
62.3M 0s
  4950K .......... .......... .......... .......... .......... 83%
60.1M 0s
  5000K .......... .......... .......... .......... .......... 84%
106M 0s
  5050K .......... .......... .......... .......... .......... 85%
49.3M 0s
  5100K .......... .......... .......... .......... .......... 86%
61.6M 0s
  5150K .......... .......... .......... .......... .......... 87%
40.3M 0s
  5200K .......... .......... .......... .......... .......... 88%
41.6M 0s
  5250K .......... .......... .......... .......... .......... 88%
69.9M 0s
  5300K .......... .......... .......... .......... .......... 89%
103M 0s
  5350K .......... .......... .......... .......... .......... 90%
74.0M 0s
  5400K .......... .......... .......... .......... .......... 91%
5.17M 0s
  5450K .......... .......... .......... .......... .......... 92%
36.5M 0s
  5500K .......... .......... .......... .......... .......... 93%
207M 0s
  5550K .......... .......... .......... .......... .......... 93%
68.7M 0s
  5600K .......... .......... .......... .......... .......... 94%
588K 0s
  5650K .......... .......... .......... .......... .......... 95%
74.5M 0s
  5700K .......... .......... .......... .......... .......... 96%
53.4M 0s
  5750K .......... .......... .......... .......... .......... 97%
88.0M 0s
  5800K .......... .......... .......... .......... .......... 98%
87.7M 0s
  5850K .......... .......... .......... .......... .......... 98%
48.2M 0s
```

```
   5900K .......... .......... .......... .......... .......... 99%
58.2M 0s
   5950K .......... .....                                      100%
186M=1.1s


2019-03-23 20:24:43 (5.15 MB/s) - 'apache-ant-1.10.5-bin.tar.gz' saved
[6108214/6108214]


travis_time:end:008f9f14:start=1553372682273394987,finish=155337268395
0539577,duration=1677144590
[0Ktravis_fold:end:before_install.2
[0Ktravis_fold:start:before_install.3
[0Ktravis_time:start:2aa740fc
[0K$ tar -xzf apache-ant-1.10.5-bin.tar.gz
travis_time:end:2aa740fc:start=1553372683956607940,finish=155337268420
0155522,duration=243547582
[0Ktravis_fold:end:before_install.3
[0Ktravis_fold:start:before_install.4
[0Ktravis_time:start:1680a4bc
[0K$ export PATH=`pwd`/apache-ant-1.10.5/bin:$PATH
travis_time:end:1680a4bc:start=1553372684207414403,finish=155337268421
2012887,duration=4598484
[0Ktravis_fold:end:before_install.4
[0Ktravis_fold:start:before_install.5
[0Ktravis_time:start:2d5c28f8
[0K$ echo $(ant -version)
Apache Ant(TM) version 1.10.5 compiled on July 10 2018
travis_time:end:2d5c28f8:start=1553372684218558621,finish=155337268455
5681515,duration=337122894
[0Ktravis_fold:end:before_install.5
[0Ktravis_fold:start:install
[0Ktravis_time:start:253ded6c
[0K$ chmod -R 755 lib/junit/
travis_time:end:253ded6c:start=1553372684562478488,finish=155337268456
6926511,duration=4448023
[0Ktravis_fold:end:install
[0Kcoverity_scan:start
$ export PROJECT_NAME=TUDa-BP-11/opendiabetes-uam-heuristik
coverity_scan:end
travis_time:start:05b4c128
[0K$ ant -lib lib/junit
Buildfile: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/build.xml
   [taskdef] Could not load definitions from resource
com/puppycrawl/tools/checkstyle/ant/checkstyle-ant-task.properties. It
could not be found.

Engine:

-pre-init:

-init-private:

-init-user:

-init-project:
```

```
-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:
```

```
-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/built-jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/classes

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/empty
```

```
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/generated-
sources/ap-source-output
    [javac] Compiling 27 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes


-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:
```

```
-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

NSApi:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:
```

```
-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:
```

```
-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:
```

```
-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:
```

```
-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
clean.properties

-do-clean:
   [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
jar.properties

-check-call-dep:

-maybe-call-dep:
```

```
-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:
```

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
     [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/classes

```
-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/generated-sources/ap-
source-output
    [javac] Compiling 20 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [javac] Note: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-
NSApi/src/de/opendiabetes/vault/nsapi/Main.java uses unchecked or
unsafe operations.
    [javac] Note: Recompile with -Xlint:unchecked for details.

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
```

```
uam-heuristik/code/OpenDiabetes-NSApi/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-
with-dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar
de.opendiabetes.vault.nsapi.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:
```

```
-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-dependencies.jar
into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:

-init-macrodef-copylibs:

-do-jar-copylibs:
  [copylibs] Copy libraries to /home/travis/build/TUDa-BP-
```

```
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/dist/lib.
  [copylibs] Building jar: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar
      [echo] To run this application from the command line without Ant,
try:
      [echo] java -jar "/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar"

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

junit5-test-check:

-pre-pre-compile-test:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/test/classes

-pre-compile-test:

-init-test-javac-module-properties-with-module:

-init-test-module-properties-without-module:

-init-test-module-properties:

-compile-test-depend:

-do-compile-test:
    [javac] Compiling 6 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/build/test/classes

-post-compile-test:

compile-test:

junit5-test:
[junitlauncher]
```

```
[junitlauncher] Test run finished after 55 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted    ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 0 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted    ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 1 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted    ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 1105 ms
[junitlauncher] [         5 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         5 containers started    ]
[junitlauncher] [         0 containers aborted    ]
[junitlauncher] [         5 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [        15 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [        15 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [        15 tests successful      ]
```

```
[junitlauncher] [         0 tests failed        ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 9 ms
[junitlauncher] [         3 containers found    ]
[junitlauncher] [         0 containers skipped  ]
[junitlauncher] [         3 containers started  ]
[junitlauncher] [         0 containers aborted  ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed   ]
[junitlauncher] [         2 tests found         ]
[junitlauncher] [         0 tests skipped       ]
[junitlauncher] [         2 tests started       ]
[junitlauncher] [         0 tests aborted       ]
[junitlauncher] [         2 tests successful    ]
[junitlauncher] [         0 tests failed        ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 1 ms
[junitlauncher] [         2 containers found    ]
[junitlauncher] [         0 containers skipped  ]
[junitlauncher] [         2 containers started  ]
[junitlauncher] [         0 containers aborted  ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed   ]
[junitlauncher] [         0 tests found         ]
[junitlauncher] [         0 tests skipped       ]
[junitlauncher] [         0 tests started       ]
[junitlauncher] [         0 tests aborted       ]
[junitlauncher] [         0 tests successful    ]
[junitlauncher] [         0 tests failed        ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 17948 ms
[junitlauncher] [         5 containers found    ]
[junitlauncher] [         0 containers skipped  ]
[junitlauncher] [         5 containers started  ]
[junitlauncher] [         0 containers aborted  ]
[junitlauncher] [         5 containers successful ]
[junitlauncher] [         0 containers failed   ]
[junitlauncher] [        24 tests found         ]
[junitlauncher] [         0 tests skipped       ]
[junitlauncher] [        24 tests started       ]
[junitlauncher] [         0 tests aborted       ]
[junitlauncher] [        24 tests successful    ]
[junitlauncher] [         0 tests failed        ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 1039 ms
[junitlauncher] [         4 containers found    ]
[junitlauncher] [         0 containers skipped  ]
[junitlauncher] [         4 containers started  ]
[junitlauncher] [         0 containers aborted  ]
[junitlauncher] [         4 containers successful ]
[junitlauncher] [         0 containers failed   ]
[junitlauncher] [        11 tests found         ]
[junitlauncher] [         0 tests skipped       ]
```

```
[junitlauncher] [         11 tests started        ]
[junitlauncher] [          0 tests aborted        ]
[junitlauncher] [         11 tests successful      ]
[junitlauncher] [          0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 3 ms
[junitlauncher] [          3 containers found      ]
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          3 containers started    ]
[junitlauncher] [          0 containers aborted    ]
[junitlauncher] [          3 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [          1 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [          1 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [          1 tests successful      ]
[junitlauncher] [          0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 5 ms
[junitlauncher] [          3 containers found      ]
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          3 containers started    ]
[junitlauncher] [          0 containers aborted    ]
[junitlauncher] [          3 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [          6 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [          6 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [          6 tests successful      ]
[junitlauncher] [          0 tests failed          ]
[junitlauncher]

full:

Synchronizer:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:
```

```
-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:
```

```
-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:
```

```
-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:
```

```
-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
      [echo] Cycle detected: OpenDiabetes-NSApi was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:
```

```
-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:
```

```
-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-clean.properties

-do-clean:
   [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:
```

```
-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:
```

```
-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
     [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-clean.properties

-do-clean:
    [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-deps-jar-init:

deps-jar:
     [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build
```

```
-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-jar.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:
```

```
-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:
```

```
-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetes-NSApi was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-jar.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:
```

```
-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-jar.properties
```

```
-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build/classes

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build/generated-
sources/ap-source-output
    [javac] Compiling 3 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
```

```
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
     [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes


-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
     [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:
      [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
      [echo] To run this application from the command line without Ant,
try:
      [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-
NSApi.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
de.opendiabetes.vault.synchronizer.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:
```

```
-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-dependencies.jar
into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:
```

```
-do-jar-copy-manifest:
      [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
      [echo] To run this application from the command line without Ant,
try:
      [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-
NSApi.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
de.opendiabetes.vault.synchronizer.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:
```

```
-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl
```

```
-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:
```

```
-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
```

```
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-
NSApi.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
de.opendiabetes.vault.synchronizer.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:
```

```
-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-
NSApi.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
```

```
de.opendiabetes.vault.synchronizer.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

junit5-test-check:

-pre-pre-compile-test:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build/test/classes

-pre-compile-test:

-init-test-javac-module-properties-with-module:

-init-test-module-properties-without-module:

-init-test-module-properties:

-compile-test-depend:

-do-compile-test:
    [javac] Compiling 1 source file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/test/classes

-post-compile-test:

compile-test:

junit5-test:
[junitlauncher]
[junitlauncher] Test run finished after 16523 ms
[junitlauncher] [         3 containers found      ]
```

```
[junitlauncher] [          0 containers skipped    ]
[junitlauncher] [          3 containers started    ]
[junitlauncher] [          0 containers aborted     ]
[junitlauncher] [          3 containers successful ]
[junitlauncher] [          0 containers failed     ]
[junitlauncher] [          2 tests found           ]
[junitlauncher] [          0 tests skipped         ]
[junitlauncher] [          2 tests started         ]
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [          2 tests successful      ]
[junitlauncher] [          0 tests failed          ]
[junitlauncher]
```

full:

Algo:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

```
-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:
```

```
-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl
```

```
-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:
```

```
init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetes-NSApi was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:
```

```
-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
```

```
-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
clean.properties

-do-clean:
   [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
```

```
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:
```

```
-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
clean.properties

-do-clean:
   [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
jar.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:
```

```
-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:
```

```
-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetes-NSApi was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
jar.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:
```

```
-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:
```

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build/classes

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build/generated-sources/ap-
source-output
    [javac] Compiling 1 source file to /home/travis/build/TUDa-BP-

11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/dist/OpenDiabetes-Algo.jar

[echo] To run this application from the command line without Ant, try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp /home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/commons-math3-3.6.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/Matplotlib4j.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/dist/OpenDiabetes-Algo.jar de.opendiabetes.vault.main.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

```
-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-dependencies.jar
into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
    [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/dist/OpenDiabetes-Algo.jar
    [echo] To run this application from the command line without Ant,
try:
    [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/unirest-
java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/commons-math3-3.6.1.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-
heuristik/lib/Matplotlib4j.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/dist/OpenDiabetes-Algo.jar de.opendiabetes.vault.main.Main

-init-macrodef-copylibs:
```

```
-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:
```

```
-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:
```

```
-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
```

```
                    /home/travis/build/TUDa-BP-11/opendiabetes-uam-
                    heuristik/code/OpenDiabetes-Algo/build/classes
         [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
                    heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
                    11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
         [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
                    heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
                    11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
          [copy] Copying 1 file to /home/travis/build/TUDa-BP-
                    11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
          [echo] To run this application from the command line without Ant,
try:
          [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/unirest-
java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/commons-math3-3.6.1.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-
heuristik/lib/Matplotlib4j.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/dist/OpenDiabetes-Algo.jar de.opendiabetes.vault.main.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:
```

```
-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

compile-nsapi:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
    [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-do-jar-set-mainclass:

-do-jar-set-profile:
```

```
-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/dist/OpenDiabetes-Algo.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/unirest-
java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/commons-math3-3.6.1.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-
heuristik/lib/Matplotlib4j.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/dist/OpenDiabetes-Algo.jar de.opendiabetes.vault.main.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

junit5-test-check:

-pre-pre-compile-test:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build/test/classes

-pre-compile-test:

-init-test-javac-module-properties-with-module:
```

```
-init-test-module-properties-without-module:

-init-test-module-properties:

-compile-test-depend:

-do-compile-test:
    [javac] Compiling 2 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/build/test/classes

-post-compile-test:

compile-test:

junit5-test:
[junitlauncher]
[junitlauncher] Test run finished after 9 ms
[junitlauncher] [         3 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         3 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         4 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         4 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         4 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 6 ms
[junitlauncher] [         3 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         3 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         5 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         5 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         5 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]

full:

all:

BUILD SUCCESSFUL
Total time: 1 minute 6 seconds
travis_time:end:05b4c128:start=1553372684616260209,finish=155337275103
7763202,duration=66421502993
[0K[32;1mThe command "ant -lib lib/junit" exited with 0.[0m
```

```
travis_time:start:111070c5
[0K$ cat code/*/dist/TEST-*.txt
Testcase: de.opendiabetes.vault.main.math.AdjustBasalTreatmentsTest
Test: testSimpleDuration() took 3 milli sec(s)
Test: testExceptions() took 3 milli sec(s)
Test: testRandomDuration() took 1 milli sec(s)
Test: testRandomValues() took 0 milli sec(s)
Tests run: 4, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 8
milli sec(s)
Testcase: de.opendiabetes.vault.main.math.BasalCalcDifferenceTest
Test: testExceptions() took 2 milli sec(s)
Test: noBasalProfile() took 0 milli sec(s)
Test: testRecursiveCall() took 1 milli sec(s)
Test: testCalcTemp() took 0 milli sec(s)
Test: singleBasalProfile() took 1 milli sec(s)
Tests run: 5, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 6
milli sec(s)
Testcase: de.opendiabetes.vault.nsapi.ExportImportTest
Test: testInvalidData() took 697 milli sec(s)
Test: testExportType() took 4 milli sec(s)
Test: testExportIOError() took 2 milli sec(s)
Test: testTimezones(VaultEntryType)[1] took 34 milli sec(s)
Test: testTimezones(VaultEntryType)[2] took 1 milli sec(s)
Test: testTimezones(VaultEntryType)[3] took 3 milli sec(s)
Test: testTimezones(VaultEntryType)[4] took 2 milli sec(s)
Test: testExport() took 6 milli sec(s)
Test: testImportData(String)[1] took 2 milli sec(s)
Test: testImportData(String)[2] took 1 milli sec(s)
Test: testImportData(String)[3] took 0 milli sec(s)
Test: testImportData(String)[4] took 6 milli sec(s)
Test: testImportIOError() took 1 milli sec(s)
Test: testImport() took 2 milli sec(s)
Test: testExportMerge() took 15 milli sec(s)
Tests run: 15, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 1
sec(s)
------------- Standard Error ---------------
2019-03-23 20:24:58 [WARNING] Could not parse JSON Object:
{"type":"invalid"}
------------- --------------- ---------------
Testcase: de.opendiabetes.vault.nsapi.FormatterTest
Test: testDefaultFormatter() took 0 milli sec(s)
Test: testDebugFormatter() took 4 milli sec(s)
Tests run: 2, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 6
milli sec(s)
Testcase: de.opendiabetes.vault.nsapi.NSApiTest
Test: testEntries() took 499 milli sec(s)
Test: test404() took 111 milli sec(s)
Test: testSlice() took 232 milli sec(s)
Test: testTimes() took 115 milli sec(s)
Test: testEcho(String, String)[1] took 111 milli sec(s)
Test: testEcho(String, String)[2] took 115 milli sec(s)
Test: testTreatmentsBetween() took 463 milli sec(s)
Test: testEntriesBetween() took 458 milli sec(s)
Test: testProfile() took 121 milli sec(s)
Test: testDataCursor(int)[1] took 811 milli sec(s)
Test: testDataCursor(int)[2] took 1 sec(s)
```

Test: testDataCursor(int)[3] took 1 sec(s)
Test: testDataCursor(int)[4] took 811 milli sec(s)
Test: testDataCursor(int)[5] took 807 milli sec(s)
Test: testDataCursor(int)[6] took 1 sec(s)
Test: testDataCursor(int)[7] took 1 sec(s)
Test: testDataCursor(int)[8] took 1 sec(s)
Test: testDataCursor(int)[9] took 749 milli sec(s)
Test: testDataCursor(int)[10] took 1 sec(s)
Test: testDataCursor(int)[11] took 690 milli sec(s)
Test: testDataCursor(int)[12] took 1 sec(s)
Test: testEchoTimes() took 110 milli sec(s)
Test: testTreatments() took 465 milli sec(s)
Test: testStatus() took 235 milli sec(s)
Tests run: 24, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 17
sec(s)
------------- Standard Error ---------------
Checking api path entries for multiple objects in same minute...

Checking api path treatments for multiple objects in same minute...

------------- --------------- ---------------
Testcase: de.opendiabetes.vault.nsapi.NSApiToolsTest
Test: testSplit() took 4 milli sec(s)
Test: testWrite() took 1 sec(s)
Test: testRead() took 2 milli sec(s)
Test: testDirectory() took 1 milli sec(s)
Test: testReadAndFilter(String)[1] took 3 milli sec(s)
Test: testReadAndFilter(String)[2] took 1 milli sec(s)
Test: testReadAndFilter(String)[3] took 0 milli sec(s)
Test: testReadAndFilter(String)[4] took 1 milli sec(s)
Test: testGetZonedDatetime() took 2 milli sec(s)
Test: testFileNotFound() took 0 milli sec(s)
Test: testReadAndSort() took 2 milli sec(s)
Tests run: 11, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 1
sec(s)
Testcase: de.opendiabetes.vault.parser.TestProfileParser
Test: randomProfile() took 2 milli sec(s)
Tests run: 1, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 2
milli sec(s)
Testcase: de.opendiabetes.vault.parser.TestToZulu
Test: testAddingEntries() took 2 milli sec(s)
Test: testToZuluMinus() took 0 milli sec(s)
Test: testOnlyOneEntry() took 0 milli sec(s)
Test: testNoChange() took 0 milli sec(s)
Test: testToZuluPlus() took 1 milli sec(s)
Test: testRemovingEntries() took 0 milli sec(s)
Tests run: 6, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 4
milli sec(s)
Testcase: de.opendiabetes.vault.synchronizer.SynchronizerTest
Test: testMissingEntry() took 7 sec(s)
Test: testMissingTreatments() took 8 sec(s)
Tests run: 2, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 16
sec(s)
travis_time:end:111070c5:start=1553372751044527557,finish=155337275107
8012020,duration=33484463
[0K[32;1mThe command "cat code/*/dist/TEST-*.txt" exited with 0.[0m

Done. Your build exited with 0.

A.9.3 Build453 failed

```
travis_fold:start:worker_info
[0K[33;1mWorker information[0m
hostname: a25715df-1af0-4e49-bd43-ad72aa0bf286@1.production-1-worker-
org-gce-hb4f
version: v6.2.0 https://github.com/travis-
ci/worker/tree/5e5476e01646095f48eec13196fdb3faf8f5cbf7
instance: travis-job-45d894ca-0300-4cfd-9d7d-16c5aeab0c5c travis-ci-
garnet-trusty-1512502259-986baf0 (via amqp)
startup: 6.734459199s
travis_fold:end:worker_info
[0Ktravis_fold:start:system_info
[0K[33;1mBuild system information[0m
Build language: java
Build group: stable
Build dist: trusty
Build id: 510568791
Job id: 510568792
Runtime kernel version: 4.4.0-101-generic
travis-build version: d6b12fc73
[34m[1mBuild image provisioning date and time[0m
Tue Dec  5 19:58:13 UTC 2017
[34m[1mOperating System Details[0m
Distributor ID: Ubuntu
Description:    Ubuntu 14.04.5 LTS
Release:        14.04
Codename:       trusty
[34m[1mCookbooks Version[0m
7c2c6a6 https://github.com/travis-ci/travis-cookbooks/tree/7c2c6a6
[34m[1mgit version[0m
git version 2.15.1
[34m[1mbash version[0m
GNU bash, version 4.3.11(1)-release (x86_64-pc-linux-gnu)
[34m[1mgcc version[0m
gcc (Ubuntu 4.8.4-2ubuntu1~14.04.3) 4.8.4
Copyright (C) 2013 Free Software Foundation, Inc.
This is free software; see the source for copying conditions.  There
is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.

[34m[1mdocker version[0m
Client:
 Version:      17.09.0-ce
 API version:  1.32
 Go version:   go1.8.3
 Git commit:   afdb6d4
 Built:        Tue Sep 26 22:42:38 2017
 OS/Arch:      linux/amd64

Server:
 Version:      17.09.0-ce
 API version:  1.32 (minimum version 1.12)
 Go version:   go1.8.3
 Git commit:   afdb6d4
 Built:        Tue Sep 26 22:41:20 2017
 OS/Arch:      linux/amd64
```

```
 Experimental: false
[34m[1mclang version[0m
clang version 5.0.0 (tags/RELEASE_500/final)
Target: x86_64-unknown-linux-gnu
Thread model: posix
InstalledDir: /usr/local/clang-5.0.0/bin
[34m[1mjq version[0m
jq-1.5
[34m[1mbats version[0m
Bats 0.4.0
[34m[1mshellcheck version[0m
0.4.6
[34m[1mshfmt version[0m
v2.0.0
[34m[1mccache version[0m
ccache version 3.1.9

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Copyright (C) 2009-2011 Joel Rosdahl

This program is free software; you can redistribute it and/or modify
it under
the terms of the GNU General Public License as published by the Free
Software
Foundation; either version 3 of the License, or (at your option) any
later
version.
[34m[1mcmake version[0m
cmake version 3.9.2

CMake suite maintained and supported by Kitware (kitware.com/cmake).
[34m[1mheroku version[0m
heroku-cli/6.14.39-addc925 (linux-x64) node-v9.2.0
[34m[1mimagemagick version[0m
Version: ImageMagick 6.7.7-10 2017-07-31 Q16
http://www.imagemagick.org
[34m[1mmd5deep version[0m
4.2
[34m[1mmercurial version[0m
Mercurial Distributed SCM (version 4.2.2)
(see https://mercurial-scm.org for more information)

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This is free software; see the source for copying conditions. There is
NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.
[34m[1mmysql version[0m
mysql  Ver 14.14 Distrib 5.6.33, for debian-linux-gnu (x86_64) using
EditLine wrapper
[34m[1mopenssl version[0m
OpenSSL 1.0.1f 6 Jan 2014
[34m[1mpacker version[0m
Packer v1.0.2

Your version of Packer is out of date! The latest version
is 1.1.2. You can update by downloading from www.packer.io
```

psql (PostgreSQL) 9.6.6
Ragel State Machine Compiler version 6.8 Feb 2013
Copyright (c) 2001-2009 by Adrian Thurston
svn, version 1.8.8 (r1568071)
   compiled Aug 10 2017, 17:20:39 on x86_64-pc-linux-gnu

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This software consists of contributions made by many people;
see the NOTICE file for more information.
Subversion is open source software, see http://subversion.apache.org/

The following repository access (RA) modules are available:

* ra_svn : Module for accessing a repository using the svn network
protocol.
  - with Cyrus SASL authentication
  - handles 'svn' scheme
* ra_local : Module for accessing a repository on local disk.
  - handles 'file' scheme
* ra_serf : Module for accessing a repository via WebDAV protocol
using serf.
  - using serf 1.3.3
  - handles 'http' scheme
  - handles 'https' scheme

Sudo version 1.8.9p5
Configure options: --prefix=/usr -v --with-all-insults --with-pam --
with-fqdn --with-logging=syslog --with-logfac=authpriv --with-env-
editor --with-editor=/usr/bin/editor --with-timeout=15 --with-
password-timeout=0 --with-passprompt=[sudo] password for %p: --
without-lecture --with-tty-tickets --disable-root-mailer --enable-
admin-flag --with-sendmail=/usr/sbin/sendmail --with-
timedir=/var/lib/sudo --mandir=/usr/share/man --
libexecdir=/usr/lib/sudo --with-sssd --with-sssd-lib=/usr/lib/x86_64-
linux-gnu --with-selinux
Sudoers policy plugin version 1.8.9p5
Sudoers file grammar version 43

Sudoers path: /etc/sudoers
Authentication methods: 'pam'
Syslog facility if syslog is being used for logging: authpriv
Syslog priority to use when user authenticates successfully: notice
Syslog priority to use when user authenticates unsuccessfully: alert
Send mail if the user is not in sudoers
Use a separate timestamp for each user/tty combo
Lecture user the first time they run sudo
Root may run sudo
Allow some information gathering to give useful error messages
Require fully-qualified hostnames in the sudoers file
Visudo will honor the EDITOR environment variable
Set the LOGNAME and USER environment variables
Length at which to wrap log file lines (0 for no wrap): 80
Authentication timestamp timeout: 15.0 minutes

```
Password prompt timeout: 0.0 minutes
Number of tries to enter a password: 3
Umask to use or 0777 to use user's: 022
Path to mail program: /usr/sbin/sendmail
Flags for mail program: -t
Address to send mail to: root
Subject line for mail messages: *** SECURITY information for %h ***
Incorrect password message: Sorry, try again.
Path to authentication timestamp dir: /var/lib/sudo
Default password prompt: [sudo] password for %p:
Default user to run commands as: root
Value to override user's $PATH with:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin
Path to the editor for use by visudo: /usr/bin/editor
When to require a password for 'list' pseudocommand: any
When to require a password for 'verify' pseudocommand: all
File descriptors >= 3 will be closed before executing a command
Environment variables to check for sanity:
        TZ
        TERM
        LINGUAS
        LC_*
        LANGUAGE
        LANG
        COLORTERM
Environment variables to remove:
        RUBYOPT
        RUBYLIB
        PYTHONUSERBASE
        PYTHONINSPECT
        PYTHONPATH
        PYTHONHOME
        TMPPREFIX
        ZDOTDIR
        READNULLCMD
        NULLCMD
        FPATH
        PERL5DB
        PERL5OPT
        PERL5LIB
        PERLLIB
        PERLIO_DEBUG
        JAVA_TOOL_OPTIONS
        SHELLOPTS
        GLOBIGNORE
        PS4
        BASH_ENV
        ENV
        TERMCAP
        TERMPATH
        TERMINFO_DIRS
        TERMINFO
        _RLD*
        LD_*
        PATH_LOCALE
        NLSPATH
        HOSTALIASES
```

```
        RES_OPTIONS
        LOCALDOMAIN
        CDPATH
        IFS
Environment variables to preserve:
        JAVA_HOME
        TRAVIS
        CI
        DEBIAN_FRONTEND
        XAUTHORIZATION
        XAUTHORITY
        PS2
        PS1
        PATH
        LS_COLORS
        KRB5CCNAME
        HOSTNAME
        HOME
        DISPLAY
        COLORS
Locale to use while parsing sudoers: C
Directory in which to store input/output logs: /var/log/sudo-io
File in which to store the input/output log: %{seq}
Add an entry to the utmp/utmpx file when allocating a pty
PAM service name to use
PAM service name to use for login shells
Create a new PAM session for the command to run in
Maximum I/O log sequence number: 0

Local IP address and netmask pairs:
        10.240.0.28/255.255.255.255
        172.17.0.1/255.255.0.0

Sudoers I/O plugin version 1.8.9p5
[34m[1mgzip version[0m
gzip 1.6
Copyright (C) 2007, 2010, 2011 Free Software Foundation, Inc.
Copyright (C) 1993 Jean-loup Gailly.
This is free software.  You may redistribute copies of it under the
terms of
the GNU General Public License <http://www.gnu.org/licenses/gpl.html>.
There is NO WARRANTY, to the extent permitted by law.

Written by Jean-loup Gailly.
[34m[1mzip version[0m
Copyright (c) 1990-2008 Info-ZIP - Type 'zip "-L"' for software
license.
This is Zip 3.0 (July 5th 2008), by Info-ZIP.
Currently maintained by E. Gordon.  Please send bug reports to
the authors using the web page at www.info-zip.org; see README for
details.

Latest sources and executables are at ftp://ftp.info-
zip.org/pub/infozip,
as of above date; see http://www.info-zip.org/ for other sites.

Compiled with gcc 4.8.2 for Unix (Linux ELF) on Oct 21 2013.
```

```
Zip special compilation options:
        USE_EF_UT_TIME       (store Universal Time)
        BZIP2_SUPPORT        (bzip2 library version 1.0.6, 6-Sept-
2010)
            bzip2 code and library copyright (c) Julian R Seward
            (See the bzip2 license for terms of use)
        SYMLINK_SUPPORT      (symbolic links supported)
        LARGE_FILE_SUPPORT   (can read and write large files on file
system)
        ZIP64_SUPPORT        (use Zip64 to store large files in
archives)
        UNICODE_SUPPORT      (store and read UTF-8 Unicode paths)
        STORE_UNIX_UIDs_GIDs (store UID/GID sizes/values using new
extra field)
        UIDGID_NOT_16BIT     (old Unix 16-bit UID/GID extra field not
used)
        [encryption, version 2.91 of 05 Jan 2007] (modified for Zip 3)

Encryption notice:
        The encryption code of this program is not copyrighted and is
        put in the public domain.  It was originally written in Europe
        and, to the best of our knowledge, can be freely distributed
        in both source and object forms from any country, including
        the USA under License Exception TSU of the U.S. Export
        Administration Regulations (section 740.13(e)) of 6 June 2002.

Zip environment options:
            ZIP:  [none]
         ZIPOPT:  [none]
[34m[1mvim version[0m
VIM - Vi IMproved 7.4 (2013 Aug 10, compiled Nov 24 2016 16:43:18)
Included patches: 1-52
Extra patches: 8.0.0056
Modified by pkg-vim-maintainers@lists.alioth.debian.org
Compiled by buildd@
Huge version without GUI.  Features included (+) or not (-):
+acl             +farsi           +mouse_netterm   +syntax
+arabic          +file_in_path    +mouse_sgr       +tag_binary
+autocmd         +find_in_path    -mouse_sysmouse  +tag_old_static
-balloon_eval    +float           +mouse_urxvt     -tag_any_white
-browse          +folding         +mouse_xterm     -tcl
++builtin_terms  -footer          +multi_byte      +terminfo
+byte_offset     +fork()          +multi_lang      +termresponse
+cindent         +gettext         -mzscheme        +textobjects
-clientserver    -hangul_input    +netbeans_intg   +title
-clipboard       +iconv           +path_extra      -toolbar
+cmdline_compl   +insert_expand   -perl            +user_commands
+cmdline_hist    +jumplist        +persistent_undo +vertsplit
+cmdline_info    +keymap          +postscript      +virtualedit
+comments        +langmap         +printer         +visual
+conceal         +libcall         +profile         +visualextra
+cryptv          +linebreak       +python          +viminfo
+cscope          +lispindent      -python3         +vreplace
+cursorbind      +listcmds        +quickfix        +wildignore
+cursorshape     +localmap        +reltime         +wildmenu
+dialog_con      -lua             +rightleft       +windows
```

```
+diff              +menu           -ruby           +writebackup
+digraphs          +mksession      +scrollbind     -X11
-dnd               +modify_fname   +signs          -xfontset
-ebcdic            +mouse          +smartindent    -xim
+emacs_tags        -mouseshape     -sniff          -xsmp
+eval              +mouse_dec      +startuptime    -xterm_clipboard
+ex_extra          +mouse_gpm      +statusline     -xterm_save
+extra_search      -mouse_jsbterm  -sun_workshop   -xpm
   system vimrc file: "$VIM/vimrc"
     user vimrc file: "$HOME/.vimrc"
 2nd user vimrc file: "~/.vim/vimrc"
       user exrc file: "$HOME/.exrc"
   fall-back for $VIM: "/usr/share/vim"
Compilation: gcc -c -I. -Iproto -DHAVE_CONFIG_H    -g -O2 -fstack-
protector --param=ssp-buffer-size=4 -Wformat -Werror=format-security -
U_FORTIFY_SOURCE -D_FORTIFY_SOURCE=1
Linking: gcc   -Wl,-Bsymbolic-functions -Wl,-z,relro -Wl,--as-needed -
o vim        -lm -ltinfo -lnsl  -lselinux  -lacl -lattr -lgpm -ldl
-L/usr/lib/python2.7/config-x86_64-linux-gnu -lpython2.7 -lpthread -
ldl -lutil -lm -Xlinker -export-dynamic -Wl,-O1 -Wl,-Bsymbolic-
functions
[34m[1miptables version[0m
iptables v1.4.21
[34m[1mcurl version[0m
curl 7.35.0 (x86_64-pc-linux-gnu) libcurl/7.35.0 OpenSSL/1.0.1f
zlib/1.2.8 libidn/1.28 librtmp/2.3
[34m[1mwget version[0m
GNU Wget 1.15 built on linux-gnu.
[34m[1mrsync version[0m
rsync  version 3.1.0  protocol version 31
[34m[1mgimme version[0m
v1.2.0
[34m[1mnvm version[0m
0.33.6
[34m[1mperlbrew version[0m
/home/travis/perl5/perlbrew/bin/perlbrew  - App::perlbrew/0.80
[34m[1mphpenv version[0m
rbenv 1.1.1-25-g6aa70b6
[34m[1mrvm version[0m
rvm 1.29.3 (latest) by Michal Papis, Piotr Kuczynski, Wayne E. Seguin
[https://rvm.io]
[34m[1mdefault ruby version[0m
ruby 2.4.1p111 (2017-03-22 revision 58053) [x86_64-linux]
[34m[1mCouchDB version[0m
couchdb 1.6.1
[34m[1mElasticSearch version[0m
5.5.0
[34m[1mInstalled Firefox version[0m
firefox 56.0.2
[34m[1mMongoDB version[0m
MongoDB 3.4.10
[34m[1mPhantomJS version[0m
2.1.1
[34m[1mPre-installed PostgreSQL versions[0m
9.2.24
9.3.20
9.4.15
```

```
9.5.10
9.6.6
[34m[1mRabbitMQ Version[0m
3.6.14
[34m[1mRedis version[0m
redis-server 4.0.6
[34m[1mriak version[0m
2.2.3
[34m[1mPre-installed Go versions[0m
1.7.4
[34m[1mant version[0m
Apache Ant(TM) version 1.9.3 compiled on April 8 2014
[34m[1mmvn version[0m
Apache Maven 3.5.2 (138edd61fd100ec658bfa2d307c43b76940a5d7d; 2017-10-
18T07:58:13Z)
Maven home: /usr/local/maven-3.5.2
Java version: 1.8.0_151, vendor: Oracle Corporation
Java home: /usr/lib/jvm/java-8-oracle/jre
Default locale: en_US, platform encoding: UTF-8
OS name: "linux", version: "4.4.0-98-generic", arch: "amd64", family:
"unix"
[34m[1mgradle version[0m

------------------------------------------------------------
Gradle 4.0.1
------------------------------------------------------------

Build time:   2017-07-07 14:02:41 UTC
Revision:     38e5dc0f772daecca1d2681885d3d85414eb6826

Groovy:       2.4.11
Ant:          Apache Ant(TM) version 1.9.6 compiled on June 29 2015
JVM:          1.8.0_151 (Oracle Corporation 25.151-b12)
OS:           Linux 4.4.0-98-generic amd64

[34m[1mlein version[0m
Leiningen 2.8.1 on Java 1.8.0_151 Java HotSpot(TM) 64-Bit Server VM
[34m[1mPre-installed Node.js versions[0m
v4.8.6
v6.12.0
v6.12.1
v8.9
v8.9.1
[34m[1mphpenv versions[0m
  system
  5.6
* 5.6.32 (set by /home/travis/.phpenv/version)
  7.0
  7.0.25
  7.1
  7.1.11
  hhvm
  hhvm-stable
[34m[1mcomposer --version[0m
Composer version 1.5.2 2017-09-11 16:59:25
[34m[1mPre-installed Ruby versions[0m
ruby-2.2.7
```

```
ruby-2.3.4
ruby-2.4.1
travis_fold:end:system_info
[0K
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign CloudSSL CA -
SHA256 - G3
verify error:num=20:unable to get local issuer certificate
verify return:0
DONE

travis_fold:start:git.checkout
[0Ktravis_time:start:011b2f38
[0K$ git clone --depth=50 --branch=algorithm https://github.com/TUDa-
BP-11/opendiabetes-uam-heuristik.git TUDa-BP-11/opendiabetes-uam-
heuristik
Cloning into 'TUDa-BP-11/opendiabetes-uam-heuristik'...
travis_time:end:011b2f38:start=1553432133319884374,finish=155343213574
2586238,duration=2422701864
[0K$ cd TUDa-BP-11/opendiabetes-uam-heuristik
$ git checkout -qf 8d800a39e764ad21d9d0ff8d721166a73ca34319
travis_fold:end:git.checkout
[0K

[33;1mSetting environment variables from repository settings[0m
$ export encrypted_45abb2cc142e_key=[secure]
$ export encrypted_45abb2cc142e_iv=[secure]

[33;1mSetting environment variables from .travis.yml[0m
$ export COVERITY_SCAN_TOKEN=[secure]
$ export NS_HOST=[secure]
$ export NS_APISECRET=[secure]
$ export NS_HOST_2=[secure]
$ export NS_APISECRET_2=[secure]

$ java -Xmx32m -version
java version "1.8.0_151"
Java(TM) SE Runtime Environment (build 1.8.0_151-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.151-b12, mixed mode)
$ javac -J-Xmx32m -version
javac 1.8.0_151
travis_fold:start:before_install.1
[0Ktravis_time:start:2257c642
[0K$ echo -n | openssl s_client -connect scan.coverity.com:https | sed
-ne '/-BEGIN CERTIFICATE-/,/-END CERTIFICATE-/p' | sudo tee -a
/etc/ssl/certs/ca-
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign CloudSSL CA -
SHA256 - G3
verify error:num=20:unable to get local issuer certificate
verify return:0
DONE
-----BEGIN CERTIFICATE-----
MIIF0zCCBLugAwIBAgIMMi+Gr0Am2nS3IkbqMA0GCSqGSIb3DQEBCwUAMFcxCzAJ
BgNVBAYTAkJFMRkwFwYDVQQKExBHbG9iYWxTaWduIG52LXNhMS0wKwYDVQQDEyRH
bG9iYWxTaWduIENsb3VkU1NMIENBIC0gU0hBMjU2IC0gRzMwHhcNMTkwMTI2MDEx
OTU1WhcNMTkwNjEwMDk0MDIyWjBgMQswCQYDVQQGEwJVUzERMA8GA1UECBMIRGVs
YXdhcmUxDjAMBgNVBAcTBURvdmVyMRYwFAYDVQQKEw1JbmNhcN1bGEgSW5jMRYw
FAYDVQQDEw1pbmNhcN1bGEuY29tMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIB
```

CgKCAQEAwhONkWDmVzsMgawf/tcsZb47+6lqSx/NYJkFK1LN748tm9g7GjHIEPEC
4l8bWtpKNohMN8EuGpfGqPlFn7p6YAbZxa+QWpvoSZx+GBnvmm6ItYVbpaUXierH
xTf6qRO20eUhmEFCSPZdRaRFHdApZX2zyVDuVe1vAa5/SyzB+0EWKPR+espbUPu8
HwHWfegsBUjLX0eAbdYeVLJXSlJ1SLyDa4AXhWG3pRTKsasbtaN0afG8HQMLAKmz
dnTWXDlZDB+QTcneRcsTeeu3kPuslTNBHgxAzL5HWJvkqtpcbGXHtrQEzeLAydiZ
KAsDaZyJtZuB1DGnbg288tVqBivMsQIDAQABo4IClDCCApAwDgYDVR0PAQH/BAQD
AgWgMIGKBggrBgEFBQcBAQR+MHwwQgYIKwYBBQUHMAKGNmh0dHA6Ly9zZWN1cmUu
Z2xvYmFsc2lnbi5jb20vY2FjZXJ0L2Nsb3Vkc3Nzc2hhMmczLmNydDA2BggrBgEF
BQcwAYYqaHR0cDovL29jc3AyLmdsb2JhbHNpZ24uY29tL2Nsb3Vkc3Nzc2hhMmcz
MFYGA1UdIARPME0wQQYJKwYBBAGgMgEUMDQwMgYIKwYBBQUHAgEWJmh0dHBzOi8v
d3d3Lmdsb2JhbHNpZ24uY29tL3JlcG9zaXRvcnkvMAgGBmeBDAECAjAJBgNVHRME
AjAAMCgGA1UdEQQhMB+CDWluY2Fwc3VsYS5jb22CDiouY292ZXJpdHkuY29tMB0G
A1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAdBgNVHQ4EFgQURPfw1uIQZlX5
U+C6HKQDAO2fRsQwHwYDVR0jBBgwFoAUqSuH4c4kRzsbv8+FNwJVnQ2UWOYwggED
BgorBgEEAdZ5AgQCBIH0BIHxAO8AdgBVgdTCFpA2AUrqC5tXPFPwwOQ4eHAlCBcv
o6odBxPTDAAAAWiHveijAAAEAwBHMEUCIQCYjxKNk2JP2JeIC7RSIKtVIqcUgdnm
QpaXuodoTYVqYQIgLmQ/waQirZzUOB8azMksPuPI/+SIgtYBlaROEEtYancAdQDu
S723dc5guuFCaR+r4Z5mow9+X7By2IMAxHuJeqj9ywAAAWiHvehxAAAEAwBGMEQC
IFQGP92eoc+GTuPa53nOly0v8iXquOBiAceKDQ/xjTlQAiBIASBr6UCrdkPkTsWf
zrsgKLc/tmwraE/sWxtX0AoAczANBgkqhkiG9w0BAQsFAAOCAQEAEevddM79yQ3X
KLEkL8biVSOaTT+S3HzxCGjBsMfLOZ12VKBvG8dGoAibzq6VqWEDmP4YK1t5Q4M8
NAyqcHDJBCXZzf6XuqakcmymCxKa5ES69h1xQcknQgDxWm424tnTSqt2+roD8ZHK
6eL4/JMTg2AFwvX1str0grIFvOeE3/kDGPFGymaBDc5aloyX2C5Em9QFdTodh3PE
OdE8XNy2OEKvU8MjzIHwYA+pR2UiNq6rpLXdREPRWnqnuipddt2y7Tk7kWG/iE+h
AMHj7QF41syi0yGgAN848QX8qCB5DW8+ssVtww7bETqesf+7gZHgjvUY67BckyEU
QJvmLCdWJw==
-----END CERTIFICATE-----
travis_time:end:2257c642:start=1553432136598411385,finish=155343213665
5782699,duration=57371314
[0Ktravis_fold:end:before_install.1
[0Ktravis_fold:start:before_install.2
[0Ktravis_time:start:01e6ec88
[0K$ wget --no-check-certificate
https://www.apache.org/dist/ant/binaries/apache-ant-1.10.5-bin.tar.gz
--2019-03-24 12:55:36--
https://www.apache.org/dist/ant/binaries/apache-ant-1.10.5-bin.tar.gz
Resolving www.apache.org (www.apache.org)... 95.216.24.32, 40.79.78.1,
2a01:4f9:2a:185f::2
Connecting to www.apache.org (www.apache.org)|95.216.24.32|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 6108214 (5.8M) [application/x-gzip]
Saving to: 'apache-ant-1.10.5-bin.tar.gz'

     0K 0%
190K 31s
    50K 1%
382K 23s
   100K 2%
20.7M 15s
   150K 3%
388K 15s
   200K 4%
24.7M 12s
   250K 5%
135M 10s
   300K 5%

```
132M 8s
    350K .......... .......... .......... .......... .......... 6%
52.6M 7s
    400K .......... .......... .......... .......... .......... 7%
384K 8s
    450K .......... .......... .......... .......... .......... 8%
26.0M 7s
    500K .......... .......... .......... .......... .......... 9%
34.7M 7s
    550K .......... .......... .......... .......... .......... 10%
30.7M 6s
    600K .......... .......... .......... .......... .......... 10%
34.0M 5s
    650K .......... .......... .......... .......... .......... 11%
43.5M 5s
    700K .......... .......... .......... .......... .......... 12%
47.4M 5s
    750K .......... .......... .......... .......... .......... 13%
35.4M 4s
    800K .......... .......... .......... .......... .......... 14%
24.9M 4s
    850K .......... .......... .......... .......... .......... 15%
420K 4s
    900K .......... .......... .......... .......... .......... 15%
29.5M 4s
    950K .......... .......... .......... .......... .......... 16%
63.4M 4s
    1000K .......... .......... .......... .......... .......... 17%
60.9M 4s
    1050K .......... .......... .......... .......... .......... 18%
67.2M 4s
    1100K .......... .......... .......... .......... .......... 19%
64.5M 3s
    1150K .......... .......... .......... .......... .......... 20%
56.5M 3s
    1200K .......... .......... .......... .......... .......... 20%
79.2M 3s
    1250K .......... .......... .......... .......... .......... 21%
21.1M 3s
    1300K .......... .......... .......... .......... .......... 22%
105M 3s
    1350K .......... .......... .......... .......... .......... 23%
62.8M 3s
    1400K .......... .......... .......... .......... .......... 24%
56.6M 2s
    1450K .......... .......... .......... .......... .......... 25%
62.3M 2s
    1500K .......... .......... .......... .......... .......... 25%
85.7M 2s
    1550K .......... .......... .......... .......... .......... 26%
61.9M 2s
    1600K .......... .......... .......... .......... .......... 27%
38.0M 2s
    1650K .......... .......... .......... .......... .......... 28%
58.4M 2s
    1700K .......... .......... .......... .......... .......... 29%
433K 2s
```

```
    1750K ......... ......... ......... ......... ......... 30%
71.9M 2s
    1800K ......... ......... ......... ......... ......... 31%
33.5M 2s
    1850K ......... ......... ......... ......... ......... 31%
34.7M 2s
    1900K ......... ......... ......... ......... ......... 32%
35.5M 2s
    1950K ......... ......... ......... ......... ......... 33%
30.9M 2s
    2000K ......... ......... ......... ......... ......... 34%
32.3M 2s
    2050K ......... ......... ......... ......... ......... 35%
29.5M 2s
    2100K ......... ......... ......... ......... ......... 36%
339M 2s
    2150K ......... ......... ......... ......... ......... 36%
254M 2s
    2200K ......... ......... ......... ......... ......... 37%
249M 2s
    2250K ......... ......... ......... ......... ......... 38%
228M 1s
    2300K ......... ......... ......... ......... ......... 39%
249M 1s
    2350K ......... ......... ......... ......... ......... 40%
11.2M 1s
    2400K ......... ......... ......... ......... ......... 41%
270M 1s
    2450K ......... ......... ......... ......... ......... 41%
302M 1s
    2500K ......... ......... ......... ......... ......... 42%
288M 1s
    2550K ......... ......... ......... ......... ......... 43%
285M 1s
    2600K ......... ......... ......... ......... ......... 44%
305M 1s
    2650K ......... ......... ......... ......... ......... 45%
340M 1s
    2700K ......... ......... ......... ......... ......... 46%
303M 1s
    2750K ......... ......... ......... ......... ......... 46%
339M 1s
    2800K ......... ......... ......... ......... ......... 47%
89.9M 1s
    2850K ......... ......... ......... ......... ......... 48%
49.7M 1s
    2900K ......... ......... ......... ......... ......... 49%
31.9M 1s
    2950K ......... ......... ......... ......... ......... 50%
25.0M 1s
    3000K ......... ......... ......... ......... ......... 51%
34.7M 1s
    3050K ......... ......... ......... ......... ......... 51%
54.0M 1s
    3100K ......... ......... ......... ......... ......... 52%
362M 1s
    3150K ......... ......... ......... ......... ......... 53%
```

```
388M 1s
  3200K .......... .......... .......... .......... .......... 54%
300M 1s
  3250K .......... .......... .......... .......... .......... 55%
465K 1s
  3300K .......... .......... .......... .......... .......... 56%
78.8M 1s
  3350K .......... .......... .......... .......... .......... 56%
91.9M 1s
  3400K .......... .......... .......... .......... .......... 57%
40.8M 1s
  3450K .......... .......... .......... .......... .......... 58%
43.8M 1s
  3500K .......... .......... .......... .......... .......... 59%
75.5M 1s
  3550K .......... .......... .......... .......... .......... 60%
70.0M 1s
  3600K .......... .......... .......... .......... .......... 61%
54.7M 1s
  3650K .......... .......... .......... .......... .......... 62%
44.2M 1s
  3700K .......... .......... .......... .......... .......... 62%
89.1M 1s
  3750K .......... .......... .......... .......... .......... 63%
61.8M 1s
  3800K .......... .......... .......... .......... .......... 64%
65.7M 1s
  3850K .......... .......... .......... .......... .......... 65%
85.0M 1s
  3900K .......... .......... .......... .......... .......... 66%
61.3M 1s
  3950K .......... .......... .......... .......... .......... 67%
11.3M 1s
  4000K .......... .......... .......... .......... .......... 67%
101M 1s
  4050K .......... .......... .......... .......... .......... 68%
27.0M 0s
  4100K .......... .......... .......... .......... .......... 69%
51.3M 0s
  4150K .......... .......... .......... .......... .......... 70%
73.2M 0s
  4200K .......... .......... .......... .......... .......... 71%
56.7M 0s
  4250K .......... .......... .......... .......... .......... 72%
67.7M 0s
  4300K .......... .......... .......... .......... .......... 72%
62.6M 0s
  4350K .......... .......... .......... .......... .......... 73%
345M 0s
  4400K .......... .......... .......... .......... .......... 74%
52.4M 0s
  4450K .......... .......... .......... .......... .......... 75%
75.8M 0s
  4500K .......... .......... .......... .......... .......... 76%
85.4M 0s
  4550K .......... .......... .......... .......... .......... 77%
51.3M 0s
```

```
     4600K .......... .......... .......... .......... .......... 77%
147M 0s
     4650K .......... .......... .......... .......... .......... 78%
115M 0s
     4700K .......... .......... .......... .......... .......... 79%
54.2M 0s
     4750K .......... .......... .......... .......... .......... 80%
133M 0s
     4800K .......... .......... .......... .......... .......... 81%
41.2M 0s
     4850K ......... .......... .......... .......... .......... 82%
481K 0s
     4900K ......... .......... .......... .......... .......... 82%
37.3M 0s
     4950K ......... .......... .......... .......... .......... 83%
86.4M 0s
     5000K ......... .......... .......... .......... .......... 84%
58.2M 0s
     5050K ......... .......... .......... .......... .......... 85%
54.7M 0s
     5100K .......... .......... .......... .......... .......... 86%
66.3M 0s
     5150K ......... .......... .......... .......... .......... 87%
116M 0s
     5200K ......... .......... .......... .......... .......... 88%
48.6M 0s
     5250K ......... .......... .......... .......... .......... 88%
109M 0s
     5300K ......... .......... .......... .......... .......... 89%
45.4M 0s
     5350K ......... .......... .......... .......... .......... 90%
47.5M 0s
     5400K ......... .......... .......... .......... .......... 91%
49.9M 0s
     5450K ......... .......... .......... .......... .......... 92%
67.2M 0s
     5500K ......... .......... .......... .......... .......... 93%
57.6M 0s
     5550K ......... .......... .......... .......... .......... 93%
111M 0s
     5600K ......... .......... .......... .......... .......... 94%
15.5M 0s
     5650K ......... .......... .......... .......... .......... 95%
28.2M 0s
     5700K ......... .......... .......... .......... .......... 96%
49.1M 0s
     5750K ......... .......... .......... .......... .......... 97%
90.2M 0s
     5800K ......... .......... .......... .......... .......... 98%
57.5M 0s
     5850K ......... .......... .......... .......... .......... 98%
91.2M 0s
     5900K ......... .......... .......... .......... .......... 99%
53.6M 0s
     5950K .......... .....                                      100%
72.0M=1.2s
```

```
2019-03-24 12:55:38 (4.84 MB/s) - 'apache-ant-1.10.5-bin.tar.gz' saved
[6108214/6108214]

travis_time:end:01e6ec88:start=1553432136662654419,finish=155343213844
4783161,duration=1782128742
[0Ktravis_fold:end:before_install.2
[0Ktravis_fold:start:before_install.3
[0Ktravis_time:start:0a9b9bc0
[0K$ tar -xzf apache-ant-1.10.5-bin.tar.gz
travis_time:end:0a9b9bc0:start=1553432138453114519,finish=155343213869
8037441,duration=244922922
[0Ktravis_fold:end:before_install.3
[0Ktravis_fold:start:before_install.4
[0Ktravis_time:start:26af30ba
[0K$ export PATH=`pwd`/apache-ant-1.10.5/bin:$PATH
travis_time:end:26af30ba:start=1553432138704388810,finish=155343213870
9010081,duration=4621271
[0Ktravis_fold:end:before_install.4
[0Ktravis_fold:start:before_install.5
[0Ktravis_time:start:261978ef
[0K$ echo $(ant -version)
Apache Ant(TM) version 1.10.5 compiled on July 10 2018
travis_time:end:261978ef:start=1553432138716316524,finish=155343213903
4943102,duration=318626578
[0Ktravis_fold:end:before_install.5
[0Ktravis_fold:start:install
[0Ktravis_time:start:03c2f28e
[0K$ chmod -R 755 lib/junit/
travis_time:end:03c2f28e:start=1553432139044014773,finish=155343213904
9392653,duration=5377880
[0Ktravis_fold:end:install
[0Kcoverity_scan:start
$ export PROJECT_NAME=TUDa-BP-11/opendiabetes-uam-heuristik
coverity_scan:end
travis_time:start:34f83fa4
[0K$ ant -lib lib/junit
Buildfile: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/build.xml

Engine:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:
```

```
-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:
```

```
-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/built-jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/classes

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/generated-
sources/ap-source-output
    [javac] Compiling 27 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes

-post-compile:
```

```
compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
```

11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

NSApi:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

```
-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:
```

```
-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:
```

```
-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:
```

```
-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
clean.properties

-do-clean:
   [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-deps-jar-init:

deps-jar:
     [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
jar.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:
```

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-

uam-heuristik/code/OpenDiabetes-NSApi/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/generated-sources/ap-
source-output
    [javac] Compiling 20 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [javac] Note: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-
NSApi/src/de/opendiabetes/vault/nsapi/Main.java uses unchecked or
unsafe operations.
    [javac] Note: Recompile with -Xlint:unchecked for details.

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

```
-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-
with-dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar
de.opendiabetes.vault.nsapi.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
```

```
-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-dependencies.jar
into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
    [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar
    [echo] To run this application from the command line without Ant,
try:
    [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-
with-dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
```

```
uam-heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar
de.opendiabetes.vault.nsapi.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

junit5-test-check:

-pre-pre-compile-test:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/test/classes

-pre-compile-test:

-init-test-javac-module-properties-with-module:

-init-test-module-properties-without-module:

-init-test-module-properties:

-compile-test-depend:

-do-compile-test:
    [javac] Compiling 7 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/build/test/classes

-post-compile-test:

compile-test:

junit5-test:
[junitlauncher]
[junitlauncher] Test run finished after 60 ms
```

```
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed      ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 0 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed      ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 0 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed      ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 324 ms
[junitlauncher] [         5 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         5 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         5 containers successful ]
[junitlauncher] [         0 containers failed      ]
[junitlauncher] [        15 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [        15 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [        15 tests successful      ]
[junitlauncher] [         0 tests failed          ]
```

```
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 9 ms
[junitlauncher] [         3 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         3 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         2 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         2 tests started         ]
[junitlauncher] [         0 tests aborted          ]
[junitlauncher] [         2 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 1 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted          ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 35143 ms
[junitlauncher] [         5 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         5 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         5 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [        24 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [        24 tests started         ]
[junitlauncher] [         0 tests aborted          ]
[junitlauncher] [        23 tests successful      ]
[junitlauncher] [         1 tests failed          ]
[junitlauncher]

BUILD FAILED
/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/build.xml:12:
The following error occurred while executing this line:
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build.xml:62: Test
de.opendiabetes.vault.nsapi.NSApiTest has 1 failure(s)

Total time: 50 seconds
travis_time:end:34f83fa4:start=1553432139097991962,finish=155343218950
6678204,duration=50408686242
```

[0K[31;1mThe command "ant -lib lib/junit" exited with 1.[0m

travis_time:start:01379fc5
[0K$ cat code/*/dist/TEST-*.txt
Testcase: de.opendiabetes.vault.nsapi.ExportImportTest
Test: testInvalidData() took 68 milli sec(s)
Test: testExportType() took 3 milli sec(s)
Test: testExportIOError() took 2 milli sec(s)
Test: testTimezones(VaultEntryType)[1] took 46 milli sec(s)
Test: testTimezones(VaultEntryType)[2] took 2 milli sec(s)
Test: testTimezones(VaultEntryType)[3] took 1 milli sec(s)
Test: testTimezones(VaultEntryType)[4] took 1 milli sec(s)
Test: testExport() took 7 milli sec(s)
Test: testImportData(String)[1] took 2 milli sec(s)
Test: testImportData(String)[2] took 1 milli sec(s)
Test: testImportData(String)[3] took 0 milli sec(s)
Test: testImportData(String)[4] took 9 milli sec(s)
Test: testImportIOError() took 2 milli sec(s)
Test: testImport() took 2 milli sec(s)
Test: testExportMerge() took 18 milli sec(s)
Tests run: 15, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 283
milli sec(s)
------------- Standard Error ---------------
2019-03-24 12:55:54 [WARNING] Could not parse JSON Object:
{"type":"invalid"}
------------- --------------- ---------------
Testcase: de.opendiabetes.vault.nsapi.FormatterTest
Test: testDefaultFormatter() took 1 milli sec(s)
Test: testDebugFormatter() took 5 milli sec(s)
Tests run: 2, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 7
milli sec(s)
Testcase: de.opendiabetes.vault.nsapi.NSApiTest
Test: testEntries() took 686 milli sec(s)
Test: test404() took 112 milli sec(s)
Test: testSlice() took 236 milli sec(s)
Test: testTimes() took 121 milli sec(s)
Test: testEcho(String, String)[1] took 111 milli sec(s)
Test: testEcho(String, String)[2] took 114 milli sec(s)
Test: testTreatmentsBetween() took 479 milli sec(s) FAILED: expected:
<18> but was: <17>
org.opentest4j.AssertionFailedError: expected: <18> but was: <17>
        at
org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:54)
        at
org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:195)
        at
org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:152)
        at
org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:147)
        at
org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:327)
        at
de.opendiabetes.vault.nsapi.NSApiTest.testTreatmentsBetween(NSApiTest.
java:292)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.j

```
ava:62)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.junit.platform.commons.util.ReflectionUtils.invokeMethod(Reflectio
nUtils.java:532)
        at
org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(Executable
Invoker.java:115)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda$in
vokeTestMethod$6(TestMethodTestDescriptor.java:171)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.invokeTes
tMethod(TestMethodTestDescriptor.java:167)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:114)
        at
org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(T
estMethodTestDescriptor.java:59)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:108)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at java.util.ArrayList.forEach(ArrayList.java:1255)
        at
```

```
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService
.java:38)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$exe
cuteRecursively$4(NodeTestTask.java:112)
        at
org.junit.platform.engine.support.hierarchical.ThrowableCollector.exec
ute(ThrowableCollector.java:72)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRec
ursively(NodeTestTask.java:98)
        at
org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(No
deTestTask.java:74)
        at
org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalT
estExecutorService.submit(SameThreadHierarchicalTestExecutorService.ja
va:32)
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestExecuto
r.execute(HierarchicalTestExecutor.java:57)
        at
org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.
execute(HierarchicalTestEngine.java:51)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:220)
        at
org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$6(Defa
ultLauncher.java:188)
        at
org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStream
s(DefaultLauncher.java:202)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:181)
        at
org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLaunch
er.java:128)
        at
org.apache.tools.ant.taskdefs.optional.junitlauncher.JUnitLauncherTask
.execute(JUnitLauncherTask.java:93)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
        at
```

```
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.helper.SingleCheckExecutor.executeTargets(SingleC
heckExecutor.java:36)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.taskdefs.Ant.execute(Ant.java:437)
        at
org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:292)
        at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java
:99)
        at org.apache.tools.ant.Task.perform(Task.java:350)
        at org.apache.tools.ant.Target.execute(Target.java:449)
        at org.apache.tools.ant.Target.performTasks(Target.java:470)
        at
org.apache.tools.ant.Project.executeSortedTargets(Project.java:1388)
        at
org.apache.tools.ant.Project.executeTarget(Project.java:1361)
        at
org.apache.tools.ant.helper.DefaultExecutor.executeTargets(DefaultExec
utor.java:41)
        at
org.apache.tools.ant.Project.executeTargets(Project.java:1251)
        at org.apache.tools.ant.Main.runBuild(Main.java:834)
        at org.apache.tools.ant.Main.startAnt(Main.java:223)
        at org.apache.tools.ant.launch.Launcher.run(Launcher.java:284)
        at
org.apache.tools.ant.launch.Launcher.main(Launcher.java:101)

Test: testEntriesBetween() took 586 milli sec(s)
Test: testProfile() took 112 milli sec(s)
Test: testDataCursor(int)[1] took 3 sec(s)
Test: testDataCursor(int)[2] took 2 sec(s)
Test: testDataCursor(int)[3] took 2 sec(s)
Test: testDataCursor(int)[4] took 1 sec(s)
Test: testDataCursor(int)[5] took 2 sec(s)
Test: testDataCursor(int)[6] took 1 sec(s)
Test: testDataCursor(int)[7] took 1 sec(s)
Test: testDataCursor(int)[8] took 2 sec(s)
Test: testDataCursor(int)[9] took 5 sec(s)
Test: testDataCursor(int)[10] took 1 sec(s)
Test: testDataCursor(int)[11] took 4 sec(s)
Test: testDataCursor(int)[12] took 1 sec(s)
Test: testEchoTimes() took 110 milli sec(s)
Test: testTreatments() took 470 milli sec(s)
Test: testStatus() took 245 milli sec(s)
Tests run: 24, Failures: 1, Skipped: 0, Aborted: 0, Time elapsed: 35
sec(s)
travis_time:end:01379fc5:start=1553432189513067464,finish=155343218952
5259386,duration=12191922
[0K[32;1mThe command "cat code/*/dist/TEST-*.txt" exited with 0.[0m
```

Done. Your build exited with 1.

A.9.4 Build457 passed

```
travis_fold:start:worker_info
[0K[33;1mWorker information[0m
hostname: 388da1e3-d864-40ea-ac6d-1f310e3619f0@1.production-2-worker-
org-gce-2zlz
version: v6.2.0 https://github.com/travis-
ci/worker/tree/5e5476e01646095f48eec13196fdb3faf8f5cbf7
instance: travis-job-44fed8b9-e191-4065-b643-91666f09a2c0 travis-ci-
garnet-trusty-1512502259-986baf0 (via amqp)
startup: 6.344452606s
travis_fold:end:worker_info
[0Ktravis_fold:start:system_info
[0K[33;1mBuild system information[0m
Build language: java
Build group: stable
Build dist: trusty
Build id: 510608322
Job id: 510608323
Runtime kernel version: 4.4.0-101-generic
travis-build version: d6b12fc73
[34m[1mBuild image provisioning date and time[0m
Tue Dec  5 19:58:13 UTC 2017
[34m[1mOperating System Details[0m
Distributor ID: Ubuntu
Description:    Ubuntu 14.04.5 LTS
Release:       14.04
Codename:      trusty
[34m[1mCookbooks Version[0m
7c2c6a6 https://github.com/travis-ci/travis-cookbooks/tree/7c2c6a6
[34m[1mgit version[0m
git version 2.15.1
[34m[1mbash version[0m
GNU bash, version 4.3.11(1)-release (x86_64-pc-linux-gnu)
[34m[1mgcc version[0m
gcc (Ubuntu 4.8.4-2ubuntu1~14.04.3) 4.8.4
Copyright (C) 2013 Free Software Foundation, Inc.
This is free software; see the source for copying conditions.  There
is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.

[34m[1mdocker version[0m
Client:
 Version:      17.09.0-ce
 API version:  1.32
 Go version:   go1.8.3
 Git commit:   afdb6d4
 Built:        Tue Sep 26 22:42:38 2017
 OS/Arch:      linux/amd64

Server:
 Version:      17.09.0-ce
 API version:  1.32 (minimum version 1.12)
 Go version:   go1.8.3
 Git commit:   afdb6d4
 Built:        Tue Sep 26 22:41:20 2017
 OS/Arch:      linux/amd64
```

```
 Experimental: false
[34m[1mclang version[0m
clang version 5.0.0 (tags/RELEASE_500/final)
Target: x86_64-unknown-linux-gnu
Thread model: posix
InstalledDir: /usr/local/clang-5.0.0/bin
[34m[1mjq version[0m
jq-1.5
[34m[1mbats version[0m
Bats 0.4.0
[34m[1mshellcheck version[0m
0.4.6
[34m[1mshfmt version[0m
v2.0.0
[34m[1mccache version[0m
ccache version 3.1.9

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Copyright (C) 2009-2011 Joel Rosdahl

This program is free software; you can redistribute it and/or modify
it under
the terms of the GNU General Public License as published by the Free
Software
Foundation; either version 3 of the License, or (at your option) any
later
version.
[34m[1mcmake version[0m
cmake version 3.9.2

CMake suite maintained and supported by Kitware (kitware.com/cmake).
[34m[1mheroku version[0m
heroku-cli/6.14.39-addc925 (linux-x64) node-v9.2.0
[34m[1mimagemagick version[0m
Version: ImageMagick 6.7.7-10 2017-07-31 Q16
http://www.imagemagick.org
[34m[1mmd5deep version[0m
4.2
[34m[1mmercurial version[0m
Mercurial Distributed SCM (version 4.2.2)
(see https://mercurial-scm.org for more information)

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This is free software; see the source for copying conditions. There is
NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.
[34m[1mmysql version[0m
mysql  Ver 14.14 Distrib 5.6.33, for debian-linux-gnu (x86_64) using
EditLine wrapper
[34m[1mopenssl version[0m
OpenSSL 1.0.1f 6 Jan 2014
[34m[1mpacker version[0m
Packer v1.0.2

Your version of Packer is out of date! The latest version
is 1.1.2. You can update by downloading from www.packer.io
```

[34m[1mpostgresql client version[0m
psql (PostgreSQL) 9.6.6
[34m[1mragel version[0m
Ragel State Machine Compiler version 6.8 Feb 2013
Copyright (c) 2001-2009 by Adrian Thurston
[34m[1msubversion version[0m
svn, version 1.8.8 (r1568071)
   compiled Aug 10 2017, 17:20:39 on x86_64-pc-linux-gnu

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This software consists of contributions made by many people;
see the NOTICE file for more information.
Subversion is open source software, see http://subversion.apache.org/

The following repository access (RA) modules are available:

* ra_svn : Module for accessing a repository using the svn network
protocol.
   - with Cyrus SASL authentication
   - handles 'svn' scheme
* ra_local : Module for accessing a repository on local disk.
   - handles 'file' scheme
* ra_serf : Module for accessing a repository via WebDAV protocol
using serf.
   - using serf 1.3.3
   - handles 'http' scheme
   - handles 'https' scheme

[34m[1msudo version[0m
Sudo version 1.8.9p5
Configure options: --prefix=/usr -v --with-all-insults --with-pam --
with-fqdn --with-logging=syslog --with-logfac=authpriv --with-env-
editor --with-editor=/usr/bin/editor --with-timeout=15 --with-
password-timeout=0 --with-passprompt=[sudo] password for %p: --
without-lecture --with-tty-tickets --disable-root-mailer --enable-
admin-flag --with-sendmail=/usr/sbin/sendmail --with-
timedir=/var/lib/sudo --mandir=/usr/share/man --
libexecdir=/usr/lib/sudo --with-sssd --with-sssd-lib=/usr/lib/x86_64-
linux-gnu --with-selinux
Sudoers policy plugin version 1.8.9p5
Sudoers file grammar version 43

Sudoers path: /etc/sudoers
Authentication methods: 'pam'
Syslog facility if syslog is being used for logging: authpriv
Syslog priority to use when user authenticates successfully: notice
Syslog priority to use when user authenticates unsuccessfully: alert
Send mail if the user is not in sudoers
Use a separate timestamp for each user/tty combo
Lecture user the first time they run sudo
Root may run sudo
Allow some information gathering to give useful error messages
Require fully-qualified hostnames in the sudoers file
Visudo will honor the EDITOR environment variable
Set the LOGNAME and USER environment variables
Length at which to wrap log file lines (0 for no wrap): 80
Authentication timestamp timeout: 15.0 minutes

```
Password prompt timeout: 0.0 minutes
Number of tries to enter a password: 3
Umask to use or 0777 to use user's: 022
Path to mail program: /usr/sbin/sendmail
Flags for mail program: -t
Address to send mail to: root
Subject line for mail messages: *** SECURITY information for %h ***
Incorrect password message: Sorry, try again.
Path to authentication timestamp dir: /var/lib/sudo
Default password prompt: [sudo] password for %p:
Default user to run commands as: root
Value to override user's $PATH with:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin
Path to the editor for use by visudo: /usr/bin/editor
When to require a password for 'list' pseudocommand: any
When to require a password for 'verify' pseudocommand: all
File descriptors >= 3 will be closed before executing a command
Environment variables to check for sanity:
        TZ
        TERM
        LINGUAS
        LC_*
        LANGUAGE
        LANG
        COLORTERM
Environment variables to remove:
        RUBYOPT
        RUBYLIB
        PYTHONUSERBASE
        PYTHONINSPECT
        PYTHONPATH
        PYTHONHOME
        TMPPREFIX
        ZDOTDIR
        READNULLCMD
        NULLCMD
        FPATH
        PERL5DB
        PERL5OPT
        PERL5LIB
        PERLLIB
        PERLIO_DEBUG
        JAVA_TOOL_OPTIONS
        SHELLOPTS
        GLOBIGNORE
        PS4
        BASH_ENV
        ENV
        TERMCAP
        TERMPATH
        TERMINFO_DIRS
        TERMINFO
        _RLD*
        LD_*
        PATH_LOCALE
        NLSPATH
        HOSTALIASES
```

```
        RES_OPTIONS
        LOCALDOMAIN
        CDPATH
        IFS
Environment variables to preserve:
        JAVA_HOME
        TRAVIS
        CI
        DEBIAN_FRONTEND
        XAUTHORIZATION
        XAUTHORITY
        PS2
        PS1
        PATH
        LS_COLORS
        KRB5CCNAME
        HOSTNAME
        HOME
        DISPLAY
        COLORS
Locale to use while parsing sudoers: C
Directory in which to store input/output logs: /var/log/sudo-io
File in which to store the input/output log: %{seq}
Add an entry to the utmp/utmpx file when allocating a pty
PAM service name to use
PAM service name to use for login shells
Create a new PAM session for the command to run in
Maximum I/O log sequence number: 0

Local IP address and netmask pairs:
        10.240.0.28/255.255.255.255
        172.17.0.1/255.255.0.0

Sudoers I/O plugin version 1.8.9p5
[34m[1mgzip version[0m
gzip 1.6
Copyright (C) 2007, 2010, 2011 Free Software Foundation, Inc.
Copyright (C) 1993 Jean-loup Gailly.
This is free software.  You may redistribute copies of it under the
terms of
the GNU General Public License <http://www.gnu.org/licenses/gpl.html>.
There is NO WARRANTY, to the extent permitted by law.

Written by Jean-loup Gailly.
[34m[1mzip version[0m
Copyright (c) 1990-2008 Info-ZIP - Type 'zip "-L"' for software
license.
This is Zip 3.0 (July 5th 2008), by Info-ZIP.
Currently maintained by E. Gordon.  Please send bug reports to
the authors using the web page at www.info-zip.org; see README for
details.

Latest sources and executables are at ftp://ftp.info-
zip.org/pub/infozip,
as of above date; see http://www.info-zip.org/ for other sites.

Compiled with gcc 4.8.2 for Unix (Linux ELF) on Oct 21 2013.
```

```
Zip special compilation options:
        USE_EF_UT_TIME        (store Universal Time)
        BZIP2_SUPPORT         (bzip2 library version 1.0.6, 6-Sept-
2010)
            bzip2 code and library copyright (c) Julian R Seward
            (See the bzip2 license for terms of use)
        SYMLINK_SUPPORT       (symbolic links supported)
        LARGE_FILE_SUPPORT    (can read and write large files on file
system)
        ZIP64_SUPPORT         (use Zip64 to store large files in
archives)
        UNICODE_SUPPORT       (store and read UTF-8 Unicode paths)
        STORE_UNIX_UIDs_GIDs (store UID/GID sizes/values using new
extra field)
        UIDGID_NOT_16BIT      (old Unix 16-bit UID/GID extra field not
used)
        [encryption, version 2.91 of 05 Jan 2007] (modified for Zip 3)

Encryption notice:
        The encryption code of this program is not copyrighted and is
        put in the public domain.  It was originally written in Europe
        and, to the best of our knowledge, can be freely distributed
        in both source and object forms from any country, including
        the USA under License Exception TSU of the U.S. Export
        Administration Regulations (section 740.13(e)) of 6 June 2002.

Zip environment options:
            ZIP:  [none]
         ZIPOPT:  [none]
[34m[1mvim version[0m
VIM - Vi IMproved 7.4 (2013 Aug 10, compiled Nov 24 2016 16:43:18)
Included patches: 1-52
Extra patches: 8.0.0056
Modified by pkg-vim-maintainers@lists.alioth.debian.org
Compiled by buildd@
Huge version without GUI.  Features included (+) or not (-):
+acl             +farsi           +mouse_netterm   +syntax
+arabic          +file_in_path    +mouse_sgr       +tag_binary
+autocmd         +find_in_path    -mouse_sysmouse  +tag_old_static
-balloon_eval    +float           +mouse_urxvt     -tag_any_white
-browse          +folding         +mouse_xterm     -tcl
++builtin_terms  -footer          +multi_byte      +terminfo
+byte_offset     +fork()          +multi_lang      +termresponse
+cindent         +gettext         -mzscheme        +textobjects
-clientserver    -hangul_input    +netbeans_intg   +title
-clipboard       +iconv           +path_extra      -toolbar
+cmdline_compl   +insert_expand   -perl            +user_commands
+cmdline_hist    +jumplist        +persistent_undo +vertsplit
+cmdline_info    +keymap          +postscript      +virtualedit
+comments        +langmap         +printer         +visual
+conceal         +libcall         +profile         +visualextra
+cryptv          +linebreak       +python          +viminfo
+cscope          +lispindent      -python3         +vreplace
+cursorbind      +listcmds        +quickfix        +wildignore
+cursorshape     +localmap        +reltime         +wildmenu
+dialog_con      -lua             +rightleft       +windows
```

```
+diff            +menu            -ruby            +writebackup
+digraphs        +mksession       +scrollbind      -X11
-dnd             +modify_fname    +signs           -xfontset
-ebcdic          +mouse           +smartindent     -xim
+emacs_tags      -mouseshape      -sniff           -xsmp
+eval            +mouse_dec       +startuptime     -xterm_clipboard
+ex_extra        +mouse_gpm       +statusline      -xterm_save
+extra_search    -mouse_jsbterm   -sun_workshop    -xpm
   system vimrc file: "$VIM/vimrc"
     user vimrc file: "$HOME/.vimrc"
 2nd user vimrc file: "~/.vim/vimrc"
      user exrc file: "$HOME/.exrc"
   fall-back for $VIM: "/usr/share/vim"
Compilation: gcc -c -I. -Iproto -DHAVE_CONFIG_H     -g -O2 -fstack-
protector --param=ssp-buffer-size=4 -Wformat -Werror=format-security -
U_FORTIFY_SOURCE -D_FORTIFY_SOURCE=1
Linking: gcc   -Wl,-Bsymbolic-functions -Wl,-z,relro -Wl,--as-needed -
o vim        -lm -ltinfo -lnsl  -lselinux  -lacl -lattr -lgpm -ldl
-L/usr/lib/python2.7/config-x86_64-linux-gnu -lpython2.7 -lpthread -
ldl -lutil -lm -Xlinker -export-dynamic -Wl,-O1 -Wl,-Bsymbolic-
functions
[34m[1miptables version[0m
iptables v1.4.21
[34m[1mcurl version[0m
curl 7.35.0 (x86_64-pc-linux-gnu) libcurl/7.35.0 OpenSSL/1.0.1f
zlib/1.2.8 libidn/1.28 librtmp/2.3
[34m[1mwget version[0m
GNU Wget 1.15 built on linux-gnu.
[34m[1mrsync version[0m
rsync  version 3.1.0  protocol version 31
[34m[1mgimme version[0m
v1.2.0
[34m[1mnvm version[0m
0.33.6
[34m[1mperlbrew version[0m
/home/travis/perl5/perlbrew/bin/perlbrew  - App::perlbrew/0.80
[34m[1mphpenv version[0m
rbenv 1.1.1-25-g6aa70b6
[34m[1mrvm version[0m
rvm 1.29.3 (latest) by Michal Papis, Piotr Kuczynski, Wayne E. Seguin
[https://rvm.io]
[34m[1mdefault ruby version[0m
ruby 2.4.1p111 (2017-03-22 revision 58053) [x86_64-linux]
[34m[1mCouchDB version[0m
couchdb 1.6.1
[34m[1mElasticSearch version[0m
5.5.0
[34m[1mInstalled Firefox version[0m
firefox 56.0.2
[34m[1mMongoDB version[0m
MongoDB 3.4.10
[34m[1mPhantomJS version[0m
2.1.1
[34m[1mPre-installed PostgreSQL versions[0m
9.2.24
9.3.20
9.4.15
```

```
9.5.10
9.6.6
[34m[1mRabbitMQ Version[0m
3.6.14
[34m[1mRedis version[0m
redis-server 4.0.6
[34m[1mriak version[0m
2.2.3
[34m[1mPre-installed Go versions[0m
1.7.4
[34m[1mant version[0m
Apache Ant(TM) version 1.9.3 compiled on April 8 2014
[34m[1mmvn version[0m
Apache Maven 3.5.2 (138edd61fd100ec658bfa2d307c43b76940a5d7d; 2017-10-
18T07:58:13Z)
Maven home: /usr/local/maven-3.5.2
Java version: 1.8.0_151, vendor: Oracle Corporation
Java home: /usr/lib/jvm/java-8-oracle/jre
Default locale: en_US, platform encoding: UTF-8
OS name: "linux", version: "4.4.0-98-generic", arch: "amd64", family:
"unix"
[34m[1mgradle version[0m


------------------------------------------------------------
Gradle 4.0.1
------------------------------------------------------------

Build time:   2017-07-07 14:02:41 UTC
Revision:     38e5dc0f772daecca1d2681885d3d85414eb6826


Groovy:       2.4.11
Ant:          Apache Ant(TM) version 1.9.6 compiled on June 29 2015
JVM:          1.8.0_151 (Oracle Corporation 25.151-b12)
OS:           Linux 4.4.0-98-generic amd64

[34m[1mlein version[0m
Leiningen 2.8.1 on Java 1.8.0_151 Java HotSpot(TM) 64-Bit Server VM
[34m[1mPre-installed Node.js versions[0m
v4.8.6
v6.12.0
v6.12.1
v8.9
v8.9.1
[34m[1mphpenv versions[0m
  system
  5.6
* 5.6.32 (set by /home/travis/.phpenv/version)
  7.0
  7.0.25
  7.1
  7.1.11
  hhvm
  hhvm-stable
[34m[1mcomposer --version[0m
Composer version 1.5.2 2017-09-11 16:59:25
[34m[1mPre-installed Ruby versions[0m
ruby-2.2.7
```

```
ruby-2.3.4
ruby-2.4.1
travis_fold:end:system_info
[0K
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign CloudSSL CA -
SHA256 - G3
verify error:num=20:unable to get local issuer certificate
verify return:0
DONE

travis_fold:start:git.checkout
[0Ktravis_time:start:0062edbd
[0K$ git clone --depth=50 --branch=algorithm https://github.com/TUDa-
BP-11/opendiabetes-uam-heuristik.git TUDa-BP-11/opendiabetes-uam-
heuristik
Cloning into 'TUDa-BP-11/opendiabetes-uam-heuristik'...
travis_time:end:0062edbd:start=1553441214308922439,finish=155344121663
2455759,duration=2323533320
[0K$ cd TUDa-BP-11/opendiabetes-uam-heuristik
$ git checkout -qf 97b0201e62a09c521de34df19e8e3784321fa46a
travis_fold:end:git.checkout
[0K

[33;1mSetting environment variables from repository settings[0m
$ export encrypted_45abb2cc142e_key=[secure]
$ export encrypted_45abb2cc142e_iv=[secure]

[33;1mSetting environment variables from .travis.yml[0m
$ export COVERITY_SCAN_TOKEN=[secure]
$ export NS_HOST=[secure]
$ export NS_APISECRET=[secure]
$ export NS_HOST_2=[secure]
$ export NS_APISECRET_2=[secure]

$ java -Xmx32m -version
java version "1.8.0_151"
Java(TM) SE Runtime Environment (build 1.8.0_151-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.151-b12, mixed mode)
$ javac -J-Xmx32m -version
javac 1.8.0_151
travis_fold:start:before_install.1
[0Ktravis_time:start:0e2e40e8
[0K$ echo -n | openssl s_client -connect scan.coverity.com:https | sed
-ne '/-BEGIN CERTIFICATE-/,/-END CERTIFICATE-/p' | sudo tee -a
/etc/ssl/certs/ca-
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign CloudSSL CA -
SHA256 - G3
verify error:num=20:unable to get local issuer certificate
verify return:0
DONE
-----BEGIN CERTIFICATE-----
MIIF0zCCBLugAwIBAgIMMi+Gr0Am2nS3IkbqMA0GCSqGSIb3DQEBCwUAMFcxCzAJ
BgNVBAYTAkJFMRkwFwYDVQQKExBHbG9iYWxTaWduIG52LXNhMS0wKwYDVQQDEyRH
bG9iYWxTaWduIENsb3VkU1NMIENBIC0gU0hBMjU2IC0gRzMwHhcNMTkwMTI2MDEx
OTU1WhcNMTkwNjEwMDk0MDIyWjBgMQswCQYDVQQGEwJVUzERMA8GA1UECBMIRGVs
YXdhcmUxDjAMBgNVBAcTBURvdmVyMRYwFAYDVQQKEw1JbmNhcHN1bGEgSW5jMRYw
FAYDVQQDEw1pbmNhcHN1bGEuY29tMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIB
```

CgKCAQEAwhONkWDmVzsMgawf/tcsZb47+6lqSx/NYJkFK1LN748tm9g7GjHIEPEC
4l8bWtpKNohMN8EuGpfGqPlFn7p6YAbZxa+QWpvoSZx+GBnvmm6ItYVbpaUXierH
xTf6qRO20eUhmEFCSPZdRaRFHdApZX2zyVDuVe1vAa5/SyzB+0EWKPR+espbUPu8
HwHWfegsBUjLX0eAbdYeVLJXSlJ1SLyDa4AXhWG3pRTKsasbtaN0afG8HQMLAKmz
dnTWXDlZDB+QTcneRcsTeeu3kPuslTNBHgxAzL5HWJvkqtpcbGXHtrQEzeLAydiZ
KAsDaZyJtZuB1DGnbg288tVqBivMsQIDAQABo4IClDCCApAwDgYDVR0PAQH/BAQD
AgWgMIGKBggrBgEFBQcBAQR+MHwwQgYIKwYBBQUHMAKGNmh0dHA6Ly9zZWN1cmUu
Z2xvYmFsc2lnbi5jb20vY2FjZXJ0L2Nsb3Vkc3Nzc2hhMmczLmNydDA2BggrBgEF
BQcwAYYqaHR0cDovL29jc3AyLmdsb2JhbHNpZ24uY29tL2Nsb3Vkc3Nzc2hhMmcz
MFYGA1UdIARPME0wQQYJKwYBBAGgMgEUMDQwMgYIKwYBBQUHAgEWJmh0dHBzOi8v
d3d3Lmdsb2JhbHNpZ24uY29tL3JlcG9zaXRvcnkvMAgGBmeBDAECAjAJBgNVHRME
AjAAMCgGA1UdEQQhMB+CDWluY2Fwc3VsYS5jb22CDiouY292ZXJpdHkuY29tMB0G
A1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAdBgNVHQ4EFgQURPfw1uIQZlX5
U+C6HKQDAO2fRsQwHwYDVR0jBBgwFoAUqSuH4c4kRzsbv8+FNwJVnQ2UWOYwggED
BgorBgEEAdZ5AgQCBIH0BIHxAO8AdgBVgdTCFpA2AUrqC5tXPFPwwOQ4eHAlCBcv
o6odBxPTDAAAAWiHveijAAAEAwBHMEUCIQCYjxKNk2JP2JeIC7RSIKtVIqcUgdnm
QpaXuodoTYVqYQIgLmQ/waQirZzUOB8azMksPuPI/+SIgtYBlaROEEtYancAdQDu
S723dc5guuFCaR+r4Z5mow9+X7By2IMAxHuJeqj9ywAAAWiHvehxAAAEAwBGMEQC
IFQGP92eoc+GTuPa53nOly0v8iXquOBiAceKDQ/xjTlQAiBIASBr6UCrdkPkTsWf
zrsgKLc/tmwraE/sWxtX0AoAczANBgkqhkiG9w0BAQsFAAOCAQEAevddM79yQ3X
KLEkL8biVSOaTT+S3HzxCGjBsMfLOZ12VKBvG8dGoAibzq6VqWEDmP4YK1t5Q4M8
NAyqcHDJBCXZzf6XuqakcmymCxKa5ES69h1xQcknQgDxWm424tnTSqt2+roD8ZHK
6eL4/JMTg2AFwvX1str0grIFvOeE3/kDGPFGymaBDc5aloyX2C5Em9QFdTodh3PE
OdE8XNy2OEKvU8MjzIHwYA+pR2UiNq6rpLXdREPRWnqnuipddt2y7Tk7kWG/iE+h
AMHj7QF41syi0yGgAN848QX8qCB5DW8+ssVtww7bETqesf+7gZHgjvUY67BckyEU
QJvmLCdWJw==
-----END CERTIFICATE-----
travis_time:end:0e2e40e8:start=1553441217463011075,finish=155344121751
5201252,duration=52190177
[0Ktravis_fold:end:before_install.1
[0Ktravis_fold:start:before_install.2
[0Ktravis_time:start:0f11f260
[0K$ wget --no-check-certificate
https://www.apache.org/dist/ant/binaries/apache-ant-1.10.5-bin.tar.gz
--2019-03-24 15:26:57--
https://www.apache.org/dist/ant/binaries/apache-ant-1.10.5-bin.tar.gz
Resolving www.apache.org (www.apache.org)... 95.216.24.32, 40.79.78.1,
2a01:4f9:2a:185f::2
Connecting to www.apache.org (www.apache.org)|95.216.24.32|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 6108214 (5.8M) [application/x-gzip]
Saving to: 'apache-ant-1.10.5-bin.tar.gz'

     0K 0%
196K 30s
    50K 1%
391K 22s
   100K 2%
53.5M 15s
   150K 3%
394K 15s
   200K 4%
66.1M 12s
   250K 5%
50.3M 10s
   300K 5%

```
41.7M 8s
   350K .......... .......... .......... .......... ..........  6%
1.38M 8s
   400K .......... .......... .......... .......... ..........  7%
553K 8s
   450K .......... .......... .......... .......... ..........  8%
79.8M 7s
   500K .......... .......... .......... .......... ..........  9%
51.0M 6s
   550K .......... .......... .......... .......... .......... 10%
77.5M 6s
   600K .......... .......... .......... .......... .......... 10%
48.0M 5s
   650K .......... .......... .......... .......... .......... 11%
42.1M 5s
   700K .......... .......... .......... .......... .......... 12%
44.9M 4s
   750K .......... .......... .......... .......... .......... 13%
1.53M 4s
   800K .......... .......... .......... .......... .......... 14%
552K 5s
   850K .......... .......... .......... .......... .......... 15%
112M 4s
   900K .......... .......... .......... .......... .......... 15%
12.0M 4s
   950K .......... .......... .......... .......... .......... 16%
102M 4s
  1000K .......... .......... .......... .......... .......... 17%
44.5M 4s
  1050K .......... .......... .......... .......... .......... 18%
59.7M 3s
  1100K .......... .......... .......... .......... .......... 19%
44.5M 3s
  1150K .......... .......... .......... .......... .......... 20%
70.6M 3s
  1200K .......... .......... .......... .......... .......... 20%
74.7M 3s
  1250K .......... .......... .......... .......... .......... 21%
46.0M 3s
  1300K .......... .......... .......... .......... .......... 22%
73.2M 3s
  1350K .......... .......... .......... .......... .......... 23%
80.6M 3s
  1400K .......... .......... .......... .......... .......... 24%
111M 2s
  1450K .......... .......... .......... .......... .......... 25%
57.1M 2s
  1500K .......... .......... .......... .......... .......... 25%
14.4M 2s
  1550K .......... .......... .......... .......... .......... 26%
2.23M 2s
  1600K .......... .......... .......... .......... .......... 27%
30.8M 2s
  1650K .......... .......... .......... .......... .......... 28%
63.9M 2s
  1700K .......... .......... .......... .......... .......... 29%
572K 2s
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   1750K ......... ......... ......... ......... ......... 30%
76.2M 2s
   1800K ......... ......... ......... ......... ......... 31%
16.8M 2s
   1850K ......... ......... ......... ......... ......... 31%
71.4M 2s
   1900K ......... ......... ......... ......... ......... 32%
40.3M 2s
   1950K ......... ......... ......... ......... ......... 33%
122M 2s
   2000K ......... ......... ......... ......... ......... 34%
65.9M 2s
   2050K ......... ......... ......... ......... ......... 35%
92.0M 2s
   2100K ......... ......... ......... ......... ......... 36%
73.2M 2s
   2150K ......... ......... ......... ......... ......... 36%
96.8M 2s
   2200K ......... ......... ......... ......... ......... 37%
49.5M 1s
   2250K ......... ......... ......... ......... ......... 38%
73.4M 1s
   2300K ......... ......... ......... ......... ......... 39%
230M 1s
   2350K ......... ......... ......... ......... ......... 40%
39.8M 1s
   2400K ......... ......... ......... ......... ......... 41%
15.8M 1s
   2450K ......... ......... ......... ......... ......... 41%
324M 1s
   2500K ......... ......... ......... ......... ......... 42%
281M 1s
   2550K ......... ......... ......... ......... ......... 43%
378M 1s
   2600K ......... ......... ......... ......... ......... 44%
351M 1s
   2650K ......... ......... ......... ......... ......... 45%
477M 1s
   2700K ......... ......... ......... ......... ......... 46%
95.2M 1s
   2750K ......... ......... ......... ......... ......... 46%
169M 1s
   2800K ......... ......... ......... ......... ......... 47%
57.8M 1s
   2850K ......... ......... ......... ......... ......... 48%
121M 1s
   2900K ......... ......... ......... ......... ......... 49%
77.4M 1s
   2950K ......... ......... ......... ......... ......... 50%
67.8M 1s
   3000K ......... ......... ......... ......... ......... 51%
230M 1s
   3050K ......... ......... ......... ......... ......... 51%
76.5M 1s
   3100K ......... ......... ......... ......... ......... 52%
2.79M 1s
   3150K ......... ......... ......... ......... ......... 53%
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48.5M 1s
   3200K .......... .......... .......... .......... .......... 54%
48.9M 1s
   3250K .......... .......... .......... .......... .......... 55%
136M 1s
   3300K .......... .......... .......... .......... .......... 56%
47.2M 1s
   3350K .......... .......... .......... .......... .......... 56%
92.2M 1s
   3400K .......... .......... .......... .......... .......... 57%
1.21M 1s
   3450K .......... .......... .......... .......... .......... 58%
1.04M 1s
   3500K .......... .......... .......... .......... .......... 59%
148M 1s
   3550K .......... .......... .......... .......... .......... 60%
65.3M 1s
   3600K .......... .......... .......... .......... .......... 61%
71.2M 1s
   3650K .......... .......... .......... .......... .......... 62%
34.2M 1s
   3700K .......... .......... .......... .......... .......... 62%
56.7M 1s
   3750K .......... .......... .......... .......... .......... 63%
189M 1s
   3800K .......... .......... .......... .......... .......... 64%
60.0M 1s
   3850K .......... .......... .......... .......... .......... 65%
80.0M 1s
   3900K .......... .......... .......... .......... .......... 66%
57.4M 1s
   3950K .......... .......... .......... .......... .......... 67%
47.0M 1s
   4000K .......... .......... .......... .......... .......... 67%
69.1M 0s
   4050K .......... .......... .......... .......... .......... 68%
89.5M 0s
   4100K .......... .......... .......... .......... .......... 69%
116M 0s
   4150K .......... .......... .......... .......... .......... 70%
87.3M 0s
   4200K .......... .......... .......... .......... .......... 71%
87.9M 0s
   4250K .......... .......... .......... .......... .......... 72%
129M 0s
   4300K .......... .......... .......... .......... .......... 72%
79.7M 0s
   4350K .......... .......... .......... .......... .......... 73%
138M 0s
   4400K .......... .......... .......... .......... .......... 74%
64.4M 0s
   4450K .......... .......... .......... .......... .......... 75%
110M 0s
   4500K .......... .......... .......... .......... .......... 76%
17.9M 0s
   4550K .......... .......... .......... .......... .......... 77%
325M 0s
```

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   4600K .......... .......... .......... .......... .......... 77%
331M 0s
   4650K .......... .......... .......... .......... .......... 78%
385M 0s
   4700K .......... .......... .......... .......... .......... 79%
396M 0s
   4750K .......... .......... .......... .......... .......... 80%
361M 0s
   4800K .......... .......... .......... .......... .......... 81%
63.6M 0s
   4850K .......... .......... .......... .......... .......... 82%
136M 0s
   4900K .......... .......... .......... .......... .......... 82%
93.9M 0s
   4950K .......... .......... .......... .......... .......... 83%
86.9M 0s
   5000K .......... .......... .......... .......... .......... 84%
116M 0s
   5050K .......... .......... .......... .......... .......... 85%
162M 0s
   5100K .......... .......... .......... .......... .......... 86%
95.6M 0s
   5150K .......... .......... .......... .......... .......... 87%
75.6M 0s
   5200K .......... .......... .......... .......... .......... 88%
69.5M 0s
   5250K .......... .......... .......... .......... .......... 88%
65.9M 0s
   5300K .......... .......... .......... .......... .......... 89%
54.5M 0s
   5350K .......... .......... .......... .......... .......... 90%
60.2M 0s
   5400K .......... .......... .......... .......... .......... 91%
143M 0s
   5450K .......... .......... .......... .......... .......... 92%
66.7M 0s
   5500K .......... .......... .......... .......... .......... 93%
88.7M 0s
   5550K .......... .......... .......... .......... .......... 93%
90.0M 0s
   5600K .......... .......... .......... .......... .......... 94%
44.0M 0s
   5650K .......... .......... .......... .......... .......... 95%
139M 0s
   5700K .......... .......... .......... .......... .......... 96%
93.0M 0s
   5750K .......... .......... .......... .......... .......... 97%
5.40M 0s
   5800K .......... .......... .......... .......... .......... 98%
78.6M 0s
   5850K .......... .......... .......... .......... .......... 98%
83.0M 0s
   5900K .......... .......... .......... .......... .......... 99%
75.9M 0s
   5950K .......... .....                                       100%
270M=1.1s
```

```
2019-03-24 15:26:59 (5.48 MB/s) - 'apache-ant-1.10.5-bin.tar.gz' saved
[6108214/6108214]

travis_time:end:0f11f260:start=1553441217524326679,finish=155344121915
2158013,duration=1627831334
[0Ktravis_fold:end:before_install.2
[0Ktravis_fold:start:before_install.3
[0Ktravis_time:start:1e793590
[0K$ tar -xzf apache-ant-1.10.5-bin.tar.gz
travis_time:end:1e793590:start=1553441219159632376,finish=155344121940
9255758,duration=249623382
[0Ktravis_fold:end:before_install.3
[0Ktravis_fold:start:before_install.4
[0Ktravis_time:start:023e7dd4
[0K$ export PATH=`pwd`/apache-ant-1.10.5/bin:$PATH
travis_time:end:023e7dd4:start=1553441219416195872,finish=155344121942
0369023,duration=4173151
[0Ktravis_fold:end:before_install.4
[0Ktravis_fold:start:before_install.5
[0Ktravis_time:start:1acd3b80
[0K$ echo $(ant -version)
Apache Ant(TM) version 1.10.5 compiled on July 10 2018
travis_time:end:1acd3b80:start=1553441219425609295,finish=155344121974
8725061,duration=323115766
[0Ktravis_fold:end:before_install.5
[0Ktravis_fold:start:install
[0Ktravis_time:start:322e1bd0
[0K$ chmod -R 755 lib/junit/
travis_time:end:322e1bd0:start=1553441219754789430,finish=155344121975
9352975,duration=4563545
[0Ktravis_fold:end:install
[0Kcoverity_scan:start
$ export PROJECT_NAME=TUDa-BP-11/opendiabetes-uam-heuristik
coverity_scan:end
travis_time:start:17d42208
[0K$ ant -lib lib/junit
Buildfile: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/build.xml

Engine:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:
```

```
-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:
```

```
-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/built-jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/classes

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/build/generated-
sources/ap-source-output
    [javac] Compiling 27 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes

-post-compile:
```

```
compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetesVault-Engine/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
```

11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

NSApi:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

```
-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:
```

```
-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:
```

```
-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:
```

```
-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
clean.properties

-do-clean:
    [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
jar.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:
```

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

```
-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/built-
jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
     [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
     [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
```

uam-heuristik/code/OpenDiabetes-NSApi/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/generated-sources/ap-
source-output
    [javac] Compiling 20 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [javac] Note: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-
NSApi/src/de/opendiabetes/vault/nsapi/Main.java uses unchecked or
unsafe operations.
    [javac] Note: Recompile with -Xlint:unchecked for details.

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

```
-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-
with-dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar
de.opendiabetes.vault.nsapi.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
```

```
-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-dependencies.jar
into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-NSApi/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-
with-dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
```

```
uam-heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar
de.opendiabetes.vault.nsapi.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

junit5-test-check:

-pre-pre-compile-test:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-NSApi/build/test/classes

-pre-compile-test:

-init-test-javac-module-properties-with-module:

-init-test-module-properties-without-module:

-init-test-module-properties:

-compile-test-depend:

-do-compile-test:
    [javac] Compiling 7 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/build/test/classes

-post-compile-test:

compile-test:

junit5-test:
[junitlauncher]
[junitlauncher] Test run finished after 47 ms
```

```
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 0 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 0 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 345 ms
[junitlauncher] [         5 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         5 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         5 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [        15 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [        15 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [        15 tests successful      ]
[junitlauncher] [         0 tests failed          ]
```

```
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 6 ms
[junitlauncher] [         3 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         3 containers started    ]
[junitlauncher] [         0 containers aborted    ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         2 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         2 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         2 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 0 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted    ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 48634 ms
[junitlauncher] [         5 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         5 containers started    ]
[junitlauncher] [         0 containers aborted    ]
[junitlauncher] [         5 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [        24 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [        24 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [        24 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 1027 ms
[junitlauncher] [         4 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         4 containers started    ]
[junitlauncher] [         0 containers aborted    ]
[junitlauncher] [         4 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [        11 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [        11 tests started         ]
```

```
[junitlauncher] [          0 tests aborted         ]
[junitlauncher] [         11 tests successful       ]
[junitlauncher] [          0 tests failed           ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 6 ms
[junitlauncher] [          3 containers found       ]
[junitlauncher] [          0 containers skipped     ]
[junitlauncher] [          3 containers started     ]
[junitlauncher] [          0 containers aborted     ]
[junitlauncher] [          3 containers successful ]
[junitlauncher] [          0 containers failed      ]
[junitlauncher] [          6 tests found            ]
[junitlauncher] [          0 tests skipped          ]
[junitlauncher] [          6 tests started          ]
[junitlauncher] [          0 tests aborted          ]
[junitlauncher] [          6 tests successful        ]
[junitlauncher] [          0 tests failed           ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 2 ms
[junitlauncher] [          3 containers found       ]
[junitlauncher] [          0 containers skipped     ]
[junitlauncher] [          3 containers started     ]
[junitlauncher] [          0 containers aborted     ]
[junitlauncher] [          3 containers successful ]
[junitlauncher] [          0 containers failed      ]
[junitlauncher] [          1 tests found            ]
[junitlauncher] [          0 tests skipped          ]
[junitlauncher] [          1 tests started          ]
[junitlauncher] [          0 tests aborted          ]
[junitlauncher] [          1 tests successful        ]
[junitlauncher] [          0 tests failed           ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 4 ms
[junitlauncher] [          3 containers found       ]
[junitlauncher] [          0 containers skipped     ]
[junitlauncher] [          3 containers started     ]
[junitlauncher] [          0 containers aborted     ]
[junitlauncher] [          3 containers successful ]
[junitlauncher] [          0 containers failed      ]
[junitlauncher] [          6 tests found            ]
[junitlauncher] [          0 tests skipped          ]
[junitlauncher] [          6 tests started          ]
[junitlauncher] [          0 tests aborted          ]
[junitlauncher] [          6 tests successful        ]
[junitlauncher] [          0 tests failed           ]
[junitlauncher]

full:

Synchronizer:

-pre-init:

-init-private:
```

```
-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:
```

```
-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:
```

```
-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:
```

```
-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetes-NSApi was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:
```

```
-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:
```

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-clean.properties

-do-clean:
   [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

```
-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl
```

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-clean.properties

-do-clean:
    [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-post-clean:

```
clean:

-do-clean:

-post-clean:

clean:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-jar.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:
```

```
-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:
```

```
-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetes-NSApi was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-jar.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
```

```
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:
```

```
-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build/classes

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build/generated-
sources/ap-source-output
    [javac] Compiling 3 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
```

```
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/dist

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-
NSApi.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
```

11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
de.opendiabetes.vault.synchronizer.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-dependencies.jar

into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes
     [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-
NSApi.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
de.opendiabetes.vault.synchronizer.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

```
-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:
```

```
-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:
```

```
deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/built-jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes
```

```
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
    [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
    [echo] To run this application from the command line without Ant,
try:
    [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-
NSApi.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
de.opendiabetes.vault.synchronizer.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:
```

```
-do-deploy:

-post-deploy:

deploy:

jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Synchronizer/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Synchronizer/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
```

```
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-
NSApi.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/lib/gson-2.8.0.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/dist/OpenDiabetes-Synchronizer.jar
de.opendiabetes.vault.synchronizer.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

junit5-test-check:

-pre-pre-compile-test:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Synchronizer/build/test/classes

-pre-compile-test:

-init-test-javac-module-properties-with-module:

-init-test-module-properties-without-module:

-init-test-module-properties:

-compile-test-depend:
```

```
-do-compile-test:
    [javac] Compiling 1 source file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Synchronizer/build/test/classes

-post-compile-test:

compile-test:

junit5-test:
[junitlauncher]
[junitlauncher] Test run finished after 17898 ms
[junitlauncher] [         3 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         3 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed      ]
[junitlauncher] [         2 tests found            ]
[junitlauncher] [         0 tests skipped          ]
[junitlauncher] [         2 tests started          ]
[junitlauncher] [         0 tests aborted          ]
[junitlauncher] [         2 tests successful       ]
[junitlauncher] [         0 tests failed           ]
[junitlauncher]

full:

Algo:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:
```

```
-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:
```

```
-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:
```

```
-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:
```

```
-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetes-NSApi was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
clean.properties

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:
```

```
-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:
```

```
-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:

-warn-already-built-clean:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
clean.properties

-do-clean:
    [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:
```

```
-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:
```

```
-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-clean-init:

deps-clean:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build

-warn-already-built-clean:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
clean.properties

-do-clean:
    [delete] Deleting directory /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-post-clean:

clean:

-do-clean:

-post-clean:

clean:

-deps-jar-init:

deps-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build

-warn-already-built-jar:
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
jar.properties

-check-call-dep:

-maybe-call-dep:
```

```
-pre-init:

-init-private:

-pre-init-libraries:

-init-private-libraries:

-init-libraries:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:
```

```
-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetes-NSApi was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
jar.properties

-check-call-dep:

-maybe-call-dep:
```

```
-pre-init:

-init-private:

-init-user:

-init-project:

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:
```

```
-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:
     [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build/classes
```

```
-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build/empty
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build/generated-sources/ap-
source-output
    [javac] Compiling 22 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [javac] Note: Some input files use unchecked or unsafe operations.
    [javac] Note: Recompile with -Xlint:unchecked for details.

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/dist
```

```
-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/dist/OpenDiabetes-Algo.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/unirest-
java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/commons-math3-3.6.1.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-
heuristik/lib/Matplotlib4j.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/JSAP-
2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/dist/OpenDiabetes-Algo.jar
de.opendiabetes.vault.main.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:
```

```
jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetesVault-Engine/dist/OpenDiabetesVault-
Engine.jar into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/unirest-java-1.4.10-SNAPSHOT-jar-with-dependencies.jar
into /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/JSAP-2.1.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
```

```
Algo/dist/OpenDiabetes-Algo.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/unirest-
java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/commons-math3-3.6.1.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-
heuristik/lib/Matplotlib4j.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/JSAP-
2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/dist/OpenDiabetes-Algo.jar
de.opendiabetes.vault.main.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-call-dep:

-maybe-call-dep:

-pre-init:

-init-private:

-init-user:

-init-project:
```

-init-macrodef-property:

-init-modules-supported:

-do-init:

-post-init:

-init-check:

-init-ap-cmdline-properties:

-init-macrodef-modulename:

-init-source-module-properties:

-init-macrodef-javac-with-module:

-init-macrodef-javac-with-processors:

-init-macrodef-javac-without-processors:

-init-macrodef-javac:

-init-macrodef-test-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-junit-init:

-init-test-properties:

-init-macrodef-junit-prototype-with-module:

-init-macrodef-junit-prototype-without-module:

-init-macrodef-junit-single:

-init-macrodef-junit-batch:

-init-macrodef-junit:

-init-macrodef-junit-impl:
Trying to override old definition of task
http://www.netbeans.org/ns/j2se-project/3:test-impl

-init-macrodef-testng:

-init-macrodef-testng-impl:

-init-macrodef-test:

-init-macrodef-junit-debug-impl:

-init-macrodef-test-debug-junit:

-init-macrodef-testng-debug:

```
-init-macrodef-testng-debug-impl:

-init-macrodef-test-debug-testng:

-init-macrodef-test-debug:

-init-debug-args:

-init-macrodef-nbjpda:

-init-macrodef-debug:

-init-macrodef-java-with-module:

-init-macrodef-java-with-unnamed-module:

-init-macrodef-java-without-module:

-init-macrodef-java:

-init-presetdef-jar:

-init-ap-cmdline-supported:

-init-ap-cmdline:

init:

-deps-jar-init:

deps-jar:

-warn-already-built-jar:
     [echo] Cycle detected: OpenDiabetesVault-Engine was already built
[propertyfile] Updating property file: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/built-
jar.properties

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:
```

```
compile:

-pre-jar:
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/gson-2.8.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/hsqldb.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/javacsv.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-api-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-core-2.10.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/log4j-slf4j-impl-2.10.0.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-core-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes
    [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/ormlite-jdbc-5.0.jar into /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/unirest-
java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/commons-math3-3.6.1.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-
heuristik/lib/Matplotlib4j.jar:/home/travis/build/TUDa-BP-
```

```
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/JSAP-
2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/dist/OpenDiabetes-Algo.jar
de.opendiabetes.vault.main.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

-check-automatic-build:

-clean-after-automatic-build:

-verify-automatic-build:

-pre-pre-compile:

-pre-compile:

-copy-persistence-xml:

-compile-depend:

-do-compile:

-post-compile:

compile:

-pre-jar:
     [unjar] Expanding: /home/travis/build/TUDa-BP-11/opendiabetes-uam-
```

heuristik/code/OpenDiabetes-NSApi/dist/OpenDiabetes-NSApi.jar into
/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/build/classes

-check-module-main-class:

-set-module-main-class:

-pre-pre-jar:

-do-jar-create-manifest:

-do-jar-copy-manifest:
     [copy] Copying 1 file to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-Algo/build

-do-jar-set-mainclass:

-do-jar-set-profile:

-do-jar-set-splashscreen:

-do-jar-jar:
[j2seproject1:jar] Building jar: /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/dist/OpenDiabetes-Algo.jar
     [echo] To run this application from the command line without Ant,
try:
     [echo] /usr/lib/jvm/java-8-oracle/jre/bin/java -cp
/home/travis/build/TUDa-BP-11/opendiabetes-uam-heuristik/lib/unirest-
java-1.4.10-SNAPSHOT-jar-with-
dependencies.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/lib/commons-math3-3.6.1.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-
heuristik/lib/Matplotlib4j.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
NSApi/dist/OpenDiabetes-NSApi.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetesVault-
Engine/dist/OpenDiabetesVault-Engine.jar:/home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/lib/JSAP-
2.1.jar:/home/travis/build/TUDa-BP-11/opendiabetes-uam-
heuristik/code/OpenDiabetes-Algo/dist/OpenDiabetes-Algo.jar
de.opendiabetes.vault.main.Main

-init-macrodef-copylibs:

-do-jar-copylibs:

-do-jar-delete-manifest:

-do-jar-without-libraries:

-do-jar-with-libraries:

-post-jar:

-do-jar:

```
-pre-deploy:

-check-jlink:

-do-deploy:

-post-deploy:

deploy:

jar:

junit5-test-check:

-pre-pre-compile-test:
    [mkdir] Created dir: /home/travis/build/TUDa-BP-11/opendiabetes-
uam-heuristik/code/OpenDiabetes-Algo/build/test/classes

-pre-compile-test:

-init-test-javac-module-properties-with-module:

-init-test-module-properties-without-module:

-init-test-module-properties:

-compile-test-depend:

-do-compile-test:
    [javac] Compiling 6 source files to /home/travis/build/TUDa-BP-
11/opendiabetes-uam-heuristik/code/OpenDiabetes-
Algo/build/test/classes

-post-compile-test:

compile-test:

junit5-test:
[junitlauncher]
[junitlauncher] Test run finished after 1 ms
[junitlauncher] [         2 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         2 containers started    ]
[junitlauncher] [         0 containers aborted    ]
[junitlauncher] [         2 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         0 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         0 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         0 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 165 ms
[junitlauncher] [         3 containers found      ]
```

```
[junitlauncher] [         0 containers skipped   ]
[junitlauncher] [         3 containers started   ]
[junitlauncher] [         0 containers aborted   ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         3 tests found          ]
[junitlauncher] [         0 tests skipped        ]
[junitlauncher] [         3 tests started        ]
[junitlauncher] [         0 tests aborted        ]
[junitlauncher] [         3 tests successful     ]
[junitlauncher] [         0 tests failed         ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 183 ms
[junitlauncher] [         3 containers found     ]
[junitlauncher] [         0 containers skipped   ]
[junitlauncher] [         3 containers started   ]
[junitlauncher] [         0 containers aborted   ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         1 tests found          ]
[junitlauncher] [         0 tests skipped        ]
[junitlauncher] [         1 tests started        ]
[junitlauncher] [         0 tests aborted        ]
[junitlauncher] [         1 tests successful     ]
[junitlauncher] [         0 tests failed         ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 4 ms
[junitlauncher] [         3 containers found     ]
[junitlauncher] [         0 containers skipped   ]
[junitlauncher] [         3 containers started   ]
[junitlauncher] [         0 containers aborted   ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         3 tests found          ]
[junitlauncher] [         0 tests skipped        ]
[junitlauncher] [         3 tests started        ]
[junitlauncher] [         0 tests aborted        ]
[junitlauncher] [         3 tests successful     ]
[junitlauncher] [         0 tests failed         ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 2 ms
[junitlauncher] [         3 containers found     ]
[junitlauncher] [         0 containers skipped   ]
[junitlauncher] [         3 containers started   ]
[junitlauncher] [         0 containers aborted   ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         4 tests found          ]
[junitlauncher] [         0 tests skipped        ]
[junitlauncher] [         4 tests started        ]
[junitlauncher] [         0 tests aborted        ]
[junitlauncher] [         4 tests successful     ]
[junitlauncher] [         0 tests failed         ]
[junitlauncher]
```

```
[junitlauncher]
[junitlauncher] Test run finished after 4 ms
[junitlauncher] [         3 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         3 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         4 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         4 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         4 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]
[junitlauncher]
[junitlauncher] Test run finished after 3 ms
[junitlauncher] [         3 containers found      ]
[junitlauncher] [         0 containers skipped    ]
[junitlauncher] [         3 containers started    ]
[junitlauncher] [         0 containers aborted     ]
[junitlauncher] [         3 containers successful ]
[junitlauncher] [         0 containers failed     ]
[junitlauncher] [         3 tests found           ]
[junitlauncher] [         0 tests skipped         ]
[junitlauncher] [         3 tests started         ]
[junitlauncher] [         0 tests aborted         ]
[junitlauncher] [         3 tests successful      ]
[junitlauncher] [         0 tests failed          ]
[junitlauncher]

full:

all:

BUILD SUCCESSFUL
Total time: 1 minute 40 seconds
travis_time:end:17d42208:start=1553441219804675512,finish=155344132040
7114789,duration=100602439277
[0K[32;1mThe command "ant -lib lib/junit" exited with 0.[0m

travis_time:start:19699464
[0K$ cat code/*/dist/TEST-*.txt
Testcase: de.opendiabetes.vault.main.algo.TestAlgorithms
Test: testLine took 137 milli sec(s)
Test: testMealCalculation took 1 milli sec(s)
Test: testFallingGraph took 5 milli sec(s)
Tests run: 3, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 146
milli sec(s)
------------- Standard Output ---------------
Thu Jan 01 00:00:00 UTC 1970
Thu Jan 01 00:05:00 UTC 1970
Thu Jan 01 00:10:00 UTC 1970
Thu Jan 01 00:15:00 UTC 1970
Thu Jan 01 00:20:00 UTC 1970
Thu Jan 01 00:25:00 UTC 1970
Thu Jan 01 00:30:00 UTC 1970
```

```
Thu Jan 01 00:35:00 UTC 1970
Thu Jan 01 00:40:00 UTC 1970
Thu Jan 01 00:45:00 UTC 1970
Thu Jan 01 00:50:00 UTC 1970
Thu Jan 01 00:55:00 UTC 1970
Thu Jan 01 01:00:00 UTC 1970
Thu Jan 01 01:05:00 UTC 1970
Thu Jan 01 01:10:00 UTC 1970
Thu Jan 01 01:15:00 UTC 1970
Thu Jan 01 01:20:00 UTC 1970
Thu Jan 01 01:25:00 UTC 1970
Thu Jan 01 01:30:00 UTC 1970
Thu Jan 01 01:35:00 UTC 1970
------------- --------------- ---------------
Testcase:
de.opendiabetes.vault.main.dataprovider.TestNightscoutDataProvider
Test: testArguments() took 182 milli sec(s)
Tests run: 1, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 182
milli sec(s)
Testcase: de.opendiabetes.vault.main.math.AdjustBasalTreatmentsTest
Test: testSimpleDuration() took 1 milli sec(s)
Test: testRandomDuration() took 0 milli sec(s)
Test: testRandomValues() took 0 milli sec(s)
Tests run: 3, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 2
milli sec(s)
Testcase: de.opendiabetes.vault.main.math.BasalCalcDifferenceTest
Test: noBasalProfile() took 1 milli sec(s)
Test: testRecursiveCall() took 1 milli sec(s)
Test: testCalcTemp() took 0 milli sec(s)
Test: singleBasalProfile() took 0 milli sec(s)
Tests run: 4, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 2
milli sec(s)
Testcase: de.opendiabetes.vault.main.math.TestFilter
Test: testMedianMaxTimeDiff() took 0 milli sec(s)
Test: testAverage() took 0 milli sec(s)
Test: testAverageMaxTimeDiff() took 1 milli sec(s)
Test: testMedian() took 0 milli sec(s)
Tests run: 4, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 3
milli sec(s)
Testcase: de.opendiabetes.vault.main.math.TestPredictions
Test: testCob() took 0 milli sec(s)
Test: testDeltaBGC() took 0 milli sec(s)
Test: testDeltaBGI() took 0 milli sec(s)
Tests run: 3, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 2
milli sec(s)
Testcase: de.opendiabetes.vault.nsapi.ExportImportTest
Test: testInvalidData() took 88 milli sec(s)
Test: testExportType() took 6 milli sec(s)
Test: testExportIOError() took 1 milli sec(s)
Test: testTimezones(VaultEntryType)[1] took 25 milli sec(s)
Test: testTimezones(VaultEntryType)[2] took 1 milli sec(s)
Test: testTimezones(VaultEntryType)[3] took 1 milli sec(s)
Test: testTimezones(VaultEntryType)[4] took 1 milli sec(s)
Test: testExport() took 3 milli sec(s)
Test: testImportData(String)[1] took 2 milli sec(s)
Test: testImportData(String)[2] took 0 milli sec(s)
Test: testImportData(String)[3] took 1 milli sec(s)
```

Test: testImportData(String)[4] took 6 milli sec(s)
Test: testImportIOError() took 1 milli sec(s)
Test: testImport() took 13 milli sec(s)
Test: testExportMerge() took 18 milli sec(s)
Tests run: 15, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 321
milli sec(s)
------------- Standard Error ---------------
2019-03-24 15:27:14 [WARNING] Could not parse JSON Object:
{"type":"invalid"}
------------- --------------- ---------------
Testcase: de.opendiabetes.vault.nsapi.FormatterTest
Test: testDefaultFormatter() took 0 milli sec(s)
Test: testDebugFormatter() took 3 milli sec(s)
Tests run: 2, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 5
milli sec(s)
Testcase: de.opendiabetes.vault.nsapi.NSApiTest
Test: testEntries() took 695 milli sec(s)
Test: test404() took 112 milli sec(s)
Test: testSlice() took 237 milli sec(s)
Test: testTimes() took 115 milli sec(s)
Test: testEcho(String, String)[1] took 112 milli sec(s)
Test: testEcho(String, String)[2] took 111 milli sec(s)
Test: testTreatmentsBetween() took 460 milli sec(s)
Test: testEntriesBetween() took 596 milli sec(s)
Test: testProfile() took 113 milli sec(s)
Test: testDataCursor(int)[1] took 1 sec(s)
Test: testDataCursor(int)[2] took 5 sec(s)
Test: testDataCursor(int)[3] took 1 sec(s)
Test: testDataCursor(int)[4] took 5 sec(s)
Test: testDataCursor(int)[5] took 1 sec(s)
Test: testDataCursor(int)[6] took 2 sec(s)
Test: testDataCursor(int)[7] took 7 sec(s)
Test: testDataCursor(int)[8] took 2 sec(s)
Test: testDataCursor(int)[9] took 7 sec(s)
Test: testDataCursor(int)[10] took 3 sec(s)
Test: testDataCursor(int)[11] took 1 sec(s)
Test: testDataCursor(int)[12] took 2 sec(s)
Test: testEchoTimes() took 110 milli sec(s)
Test: testTreatments() took 464 milli sec(s)
Test: testStatus() took 234 milli sec(s)
Tests run: 24, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 48
sec(s)
Testcase: de.opendiabetes.vault.nsapi.NSApiToolsTest
Test: testSplit() took 3 milli sec(s)
Test: testWrite() took 1 sec(s)
Test: testRead() took 2 milli sec(s)
Test: testDirectory() took 1 milli sec(s)
Test: testReadAndFilter(String)[1] took 3 milli sec(s)
Test: testReadAndFilter(String)[2] took 1 milli sec(s)
Test: testReadAndFilter(String)[3] took 1 milli sec(s)
Test: testReadAndFilter(String)[4] took 0 milli sec(s)
Test: testGetZonedDatetime() took 2 milli sec(s)
Test: testFileNotFound() took 0 milli sec(s)
Test: testReadAndSort() took 1 milli sec(s)
Tests run: 11, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 1
sec(s)
Testcase: de.opendiabetes.vault.parser.TestProfileParser

```
Test: randomProfile() took 1 milli sec(s)
Tests run: 1, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 2
milli sec(s)
Testcase: de.opendiabetes.vault.parser.TestProfile
Test: testAddingEntries() took 1 milli sec(s)
Test: testToZuluMinus() took 0 milli sec(s)
Test: testOnlyOneEntry() took 0 milli sec(s)
Test: testNoChange() took 0 milli sec(s)
Test: testToZuluPlus() took 0 milli sec(s)
Test: testRemovingEntries() took 1 milli sec(s)
Tests run: 6, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 5
milli sec(s)
Testcase: de.opendiabetes.vault.parser.TestToZulu
Test: testAddingEntries() took 1 milli sec(s)
Test: testToZuluMinus() took 0 milli sec(s)
Test: testOnlyOneEntry() took 1 milli sec(s)
Test: testNoChange() took 0 milli sec(s)
Test: testToZuluPlus() took 0 milli sec(s)
Test: testRemovingEntries() took 0 milli sec(s)
Tests run: 6, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 3
milli sec(s)
Testcase: de.opendiabetes.vault.synchronizer.SynchronizerTest
Test: testMissingEntry() took 7 sec(s)
Test: testMissingTreatments() took 10 sec(s)
Tests run: 2, Failures: 0, Skipped: 0, Aborted: 0, Time elapsed: 17
sec(s)
travis_time:end:19699464:start=1553441320413455681,finish=155344132041
9521470,duration=6065789
[0K[32;1mThe command "cat code/*/dist/TEST-*.txt" exited with 0.[0m


Done. Your build exited with 0.
```