

## RhodeCode CE/EE - Bug #5410

After converting to CE, we get the following error when trying to view some repos in the UI:  
"UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description)

08.12.2017 23:19 - Brad Silva

<b>Status:</b>	New	<b>Start date:</b>	08.12.2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Sorting:</b>		<b>Affected Version:</b>	
<b>Commit Number:</b>			
<b>Description</b>			
<p>When clicking on the name of some repos, the error: "500 Internal Server Error   The server has either erred or is incapable of performing the requested operation." is returned by the browser. In the logs, the below error occurs. We are running CE 4.9.0.</p> <p>We can still clone the repos and do other code operations from the command line or other tools. This seems to only affect the Rhodecode Web UI (which make sense looking at the error).</p> <p>The problem appears to be that these repos have non-ASCII characters that Rhodecode is trying to interpret as ASCII when preparing the web page for display.</p> <p>Thanks, Brad</p>			
<pre>2017-12-08 10:35:43.983 ERROR [rhodecode.config.middleware] error occurred handling this request for path: /***Redacted***/ Traceback (most recent call last): File "/opt/rhodecode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/tweens.py" , line 22, in excview_tween response = handler(request) File "/opt/rhodecode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/router.py", line 158, in handle_request view_name File "/opt/rhodecode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/view.py", line 547, in call_view response = view_callable(context, request) File "/opt/rhodecode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderiver s.py", line 393, in attr_view return view(context, request) File "/opt/rhodecode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderiver s.py", line 371, in predicate_wrapper return view(context, request) File "/opt/rhodecode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderiver s.py", line 465, in rendered_view request, result, view_inst, context) File "/opt/rhodecode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.p y", line 432, in render_view return self.render_to_response(response, system, request=request) File "/opt/rhodecode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.p y", line 455, in render_to_response result = self.render(value, system_values, request=request)</pre>			

```

File
"/opt/rhodecode/store/w6kjp4h2szaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 451, in render
result = renderer(value, system_values)
File
"/opt/rhodecode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py", line 156, in __call__
reraise(MakoRenderingException(errtext), None, exc_info[2])
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*kargs_for_callable(callable, data))
File "/opt/rhodecode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 873, in render_context
_exec_template(inherit, lclcontext, args=args, kargs=kargs)
File "/opt/rhodecode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 899, in _exec_template
callable(context, *args, **kargs)
File "_base_root_mako", line 85, in render_body
File "_base_base_mako", line 51, in render_body
File "_summary_base_mako", line 112, in render_main
File "rhodecode_templates_summary_summary_mako", line 52, in render_main
File "_base_base_mako", line 690, in render_repo_page_title
MakoRenderingException:

Traceback (most recent call last):
File
"/opt/rhodecode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py", line 148, in call
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${_("Please enable JavaScript to use RhodeCode Enterprise")}
File
"/opt/rhodecode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodecode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodecode/templates/base/base.mako", line 21, in render_body
${self.menu_bar_subnav()}
File
"/opt/rhodecode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodecode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodecode/templates/summary/base.mako", line 28, in render_main
${next.main()}
File
"/opt/rhodecode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodecode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodecode/templates/summary/summary.mako", line 13, in render_main
${self.repo_page_title(c.rhodecode_db_repo)}
File
"/opt/rhodecode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodecode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodecode/templates/summary/summary.mako", line 105, in render_repo_page_title

```

%if show\_items:

UnicodeDecodeError: 'ascii' codec can't decode byte 0xae in position 1: ordinal not in range(128)

## History

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### #1 - 09.12.2017 00:23 - Marcin Kuzminski [staff]

Hi Brad,

This is odd this code is shared between CE and EE edition.

Maybe during conversion of EE/CE some custom setting was change in you .ini file. Do you have old one for reference ?

### #2 - 09.12.2017 01:37 - Brad Silva

It is possible that this issue existing before the conversion or between the upgrade to 4.9.0 and the conversion. Our engineers usually do most of their work with the CLI, using the web mostly for some management tasks or to look at some history, so they may not have seen this issue for quite a while (so far we only know of two repos with the issue and we have over a hundred).

I'm going to have IT restore a copy of the old .ini file for me and I'll take a look. This was a couple of months ago, so it'll probably take a few days to retrieve the tape.

Brad

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From: [redmine@rhodecode.com](mailto:redmine@rhodecode.com) [redmine@rhodecode.com](mailto:redmine@rhodecode.com)

Sent: Friday, December 8, 2017 3:23:40 PM

To: Brad Silva

Subject: [RhodeCode CE/EE - Bug [#5410](#)] After converting to CE, we get the following error when trying to view some repos in the UI: "UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description)

Issue [#5410](#) has been updated by Marcin Kuzminski [staff].

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Bug [#5410](#): After converting to CE, we get the following error when trying to view some repos in the UI: "UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description)<https://issues.rhodecode.com/issues/5410#change-25397>

- Author: Brad Silva
- Status: New
- Priority: Normal
- Assignee:
- Category:
- Target version:
- Sorting:
- Commit Number:
- Affected Version:

When clicking on the name of some repos, the error: "500 Internal Server Error | The server has either erred or is incapable of performing the requested operation." is returned by the browser. In the logs, the below error occurs. We are running CE 4.9.0.

We can still clone the repos and do other code operations from the command line or other tools. This seems to only affect the Rhodecode Web UI (which make sense looking at the error).

The problem appears to be that these repos have non-ASCII characters that Rhodecode is trying to interpret as ASCII when preparing the web page for display.

Thanks,  
Brad

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2017-12-08 10:35:43.983 ERROR [rhodecode.config.middleware] error occurred handling this request for path: **//Redacted\*\*\*\*\***

Traceback (most recent call last):

File "/opt/rhodecode/store/w6kjp4h2szaa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/tweens.py", line 22, in excview\_tween

```

response = handler(request)
File "/opt/rhocodecode/store/w6kjp4h2saa42f7yksi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/router.py", line 158, in
handle_request
view_name
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393, in attr_view
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File "base_base_mako", line 51, in render_body
File "_summarybase_mako", line 112, in render_main
File "rhodecodetemplates_summary_summary_mako", line 52, in render_main
File "base_base_mako", line 690, in render_repopage_title
MakoRenderingException:

```

Traceback (most recent call last):

```

File "/opt/rhocodecode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py",
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${self.menu_bar_subnav()}
File

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You have received this notification because you have either subscribed to it, or are involved in it.  
To change your notification preferences, please click here: <https://issues.rhodescode.com/my/account>

### #3 - 09.12.2017 02:07 - Brad Silva

Turns out I hadn't yet deleted my local backup I made before the conversion. I have both the old and new rhodescode.ini files, the default\_encoding for both is UTF-8.

What would you like me to look for?

Brad

---

From: Brad Silva  
Sent: Friday, December 8, 2017 4:33:58 PM  
To: [redmine@rhodescode.com](mailto:redmine@rhodescode.com)  
Subject: Re: [RhodeCode CE/EE - Bug #5410] After converting to CE, we get the following error when trying to view some repos in the UI: "UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description)

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- Status: New
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156, in call
reraise(MakoRenderingException(errtext), None, exc_info[2])
File "/opt/rhodocode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py",
line 148, in call
result = template.render_unicode(*system)
File "/opt/rhodocode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/template.py", line 471, in
render_unicode
as_unicode=True)
File "/opt/rhodocode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 838, in
_render
*kwargs_for_callable(callable, data))
File "/opt/rhodocode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 873, in
render_context
exec_template(inherit, lclcontext, args=args, kwargs=kwargs)
File "/opt/rhodocode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 899, in
_exec_template
callable(context, *args, **kwargs)
File "base_root_mako", line 85, in render_body
File "base_base_mako", line 51, in render_body
File "_summarybase_mako", line 112, in render_main
File "rhodocodetemplates_summary_summary_mako", line 52, in render_main
File "base_base_mako", line 690, in render_repopage_title

```

MakoRenderingException:

Traceback (most recent call last):

```
File "/opt/rhodescode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py",
line 148, in call
result = template.render_unicode(*system)
File "/opt/rhodescode/store/wq83njhgkwc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/template.py", line 471, in
render_unicode
as_unicode=True)
File "/opt/rhodescode/store/wq83njhgkwc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 838, in
_render
*kwargs_for_callable(callable, data))
File "/opt/rhodescode/store/wq83njhgkwc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 873, in
render_context
exec_template(inherit, lclcontext, args=args, kwargs=kwargs)
File "/opt/rhodescode/store/wq83njhgkwc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 899, in
_exectemplate
callable(context, *args, **kwargs)
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/base/root.mako", line 155, in render_body
${('Please enable JavaScript to use RhodesCode Enterprise')}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/base/base.mako", line 21, in render_body
${self.menu_bar_subnav()}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/summary/base.mako", line 28, in render_main
${next.main()}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/summary/summary.mako", line 13, in rendermain
${self.repo_page_title(c.rhodescode_db_repo)}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/summary/summary.mako", line 105, in render_repo_page_title
%if show_items:
UnicodeDecodeError: 'ascii' codec can't decode byte 0xae in position 1: ordinal not in range(128)
```

---

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**#4 - 09.12.2017 19:54 - Marcin Kuzminski [staff]**

It could be also problem with database encoding, please make sure it's at utf8.

Also make sure you update to at least 4.9.1 or 4.10.5 because of known security weaknesses in previous releases.

Best,

**#5 - 16.12.2017 02:24 - Brad Silva**

I dug into the database and all of the tables are 'utf8', however are you aware that utf8 on MySQL is not what everyone else on the planet considers utf8? MySQL's utf8 only works with utf8 characters that fit in three bytes (the BMP subset). To be able to store the full utf8 character set, you need to use utf8mb4 as the charset.

Although I don't think that's the problem in this case.

I dove into trying to determine what data is causing the issue and by three avenues came up with the clone\_uri field in the repositories table. Unfortunately, I can't get any further as the field appears to be encrypted. At least I'm assuming that's why the field data starts with "enc\$aes\$".

Almost any of the URLs for this repo trigger the error, with the exception of this one:

<http://rhodecode:5000/xxxxxxx/xxxxxxx/summary-commits?size=10&page=2>

The only reason this one succeeds is that it doesn't draw the whole page.

The error is slightly different on some of the pages, but they all are Unicode/ASCII decode errors and all refer to the clone\_uri field.

An example of the error from a different page:

```
File "/var/rhodecode/local/.rcontrol/community-1/data/templates/base/base.mako.py", line 525, in render_repo_page_title
_M_writer(escape(h.url(h.safe_str(h.hide_credentials(repo_instance.clone_uri))))))
```

If I clone the repo that causes the issue and look at the repo name, there doesn't appear to be anything other than ASCII characters in the name. I don't think it's anything in the commit messages, since I can look at any of the commits using the above URL, also the other links don't have the commit messages.

Not sure where to go next.

Brad

---

From: [redmine@rhodecode.com](mailto:redmine@rhodecode.com) [redmine@rhodecode.com](mailto:redmine@rhodecode.com)

Sent: Saturday, December 9, 2017 10:54:04 AM

To: Brad Silva

Subject: [RhodeCode CE/EE - Bug #5410] After converting to CE, we get the following error when trying to view some repos in the UI: "UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description)

Issue [#5410](#) has been updated by Marcin Kuzminski [staff].

It could be also problem with database encoding, please make sure it's at utf8.

Also make sure you update to at least 4.9.1 or 4.10.5 because of known security weaknesses in previous releases.

Best,

---

Bug [#5410](#): After converting to CE, we get the following error when trying to view some repos in the UI: "UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description)<https://issues.rhodecode.com/issues/5410#change-25400>

- Author: Brad Silva
- Status: New
- Priority: Normal
- Assignee:
- Category:
- Target version:
- Sorting:
- Commit Number:
- Affected Version:

When clicking on the name of some repos, the error: "500 Internal Server Error | The server has either erred or is incapable of performing the requested operation." is returned by the browser. In the logs, the below error occurs. We are running CE 4.9.0.

We can still clone the repos and do other code operations from the command line or other tools. This seems to only affect the Rhodocode Web UI (which make sense looking at the error).

The problem appears to be that these repos have non-ASCII characters that Rhodocode is trying to interpret as ASCII when preparing the web page for display.

Thanks,  
Brad

---

```
2017-12-08 10:35:43.983 ERROR [rhodocode.config.middleware] error occurred handling this request for path: /Redacted*****
Traceback (most recent call last):
File "/opt/rhodocode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/tweens.py", line 22, in
excview_tween
response = handler(request)
File "/opt/rhodocode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/router.py", line 158, in
handle_request
view_name
File "/opt/rhodocode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/view.py", line 547, in
call_view
response = view_callable(context, request)
File "/opt/rhodocode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderivers.py", line
393, in attr_view
return view(context, request)
File "/opt/rhodocode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderivers.py", line
371, in predicate_wrapper
return view(context, request)
File "/opt/rhodocode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderivers.py", line
465, in rendered_view
request, result, view_inst, context)
File "/opt/rhodocode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 432,
in render_view
return self.render_to_response(response, system, request=request)
File "/opt/rhodocode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 455,
in render_to_response
result = self.render(value, system_values, request=request)
File "/opt/rhodocode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 451,
in render
result = renderer(value, system_values)
File "/opt/rhodocode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramidmako/init.py", line
156, in call
reraise(MakoRenderingException(errtext), None, exc_info[2])
File "/opt/rhodocode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py",
line 148, in call
result = template.render_unicode(*system)
File "/opt/rhodocode/store/wq83njhgwkc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/template.py", line 471, in
render_unicode
as_unicode=True)
File "/opt/rhodocode/store/wq83njhgwkc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 838, in
_render
*kwargs_for_callable(callable, data))
File "/opt/rhodocode/store/wq83njhgwkc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 873, in
render_context
exec_template(inherit, lclcontext, args=args, kwargs=kwargs)
File "/opt/rhodocode/store/wq83njhgwkc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 899, in
_exec_template
callable(context, *args, **kwargs)
File "base_root_mako", line 85, in render_body
File "base_base_mako", line 51, in render_body
File "_summarybase_mako", line 112, in render_main
File "rhodocodetemplates_summary_summary_mako", line 52, in render_main
File "base_base_mako", line 690, in render_repopage_title
MakoRenderingException:
```

```
Traceback (most recent call last):
File "/opt/rhodocode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py",
line 148, in call
result = template.render_unicode(*system)
File "/opt/rhodocode/store/wq83njhgwkc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/template.py", line 471, in
render_unicode
as_unicode=True)
File "/opt/rhodocode/store/wq83njhgwkc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 838, in
_render
*kwargs_for_callable(callable, data))
File "/opt/rhodocode/store/wq83njhgwkc0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 873, in
```

```
render_context
exec_template(inherit, lclcontext, args=args, kwargs=kwargs)
File "/opt/rhodescode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 899, in
_exectemplate
callable(context, *args, **kwargs)
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/base/root.mako", line 155, in render_body
$({'Please enable JavaScript to use RhodesCode Enterprise'})
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/base/base.mako", line 21, in render_body
${self.menu_bar_subnav()}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/summary/base.mako", line 28, in render_main
${next.main()}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/summary/summary.mako", line 13, in rendermain
${self.repo_page_title(c.rhodescode_db_repo)}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/summary/summary.mako", line 105, in render_repo_page_title
%if show_items:
UnicodeDecodeError: 'ascii' codec can't decode byte 0xae in position 1: ordinal not in range(128)
```

---

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**#6 - 16.12.2017 10:30 - Marcin Kuzminski [staff]**

Hi Brad,

Thank you for your message and detailed description. This actually helped us to figure out a possible reason. The clone\_url fields are encrypted in database. The encryption key is stored inside the .ini file. A wrong one, that might be generated on conversion could potentially lead to such errors when showing summary page.

```
beaker.session.secret = OLD_VALUE_HERE
```

So please copy the old value of this setting into your new rhodescode.ini and we think this will fix your problem.

**#7 - 16.12.2017 18:48 - Brad Silva**

I don't think this is it, as most of the repos are accessible. If this were the case, wouldn't all of them have this issue?

Is there a function where I can easily decrypt the string?

Or, I could send you the encrypted string outside the bug system.

Thanks,  
Brad

**#8 - 17.12.2017 00:35 - Marcin Kuzminski [staff]**

Brad-

I think not all your repositories have the remote clone\_url set. So this case would be only for repositories that were either imported from external location, or had added the remote\_url after creation.

The decryption is not possible in other way than setting the original key, but you should have this as a backup of old .ini somewhere ? If you don't i can tell you how to reset those to empty values.

**#9 - 17.12.2017 00:54 - Brad Silva**

I have the .ini file. I probably won't be able to work on this until Tuesday, but I'll try to get it before then.

Thanks!  
Brad

**#10 - 22.12.2017 19:09 - Brad Silva**

Okay.... So now I'm even more confused.

The value in beaker.session.secret in the rhocode.ini file did change during the upgrade/conversion.

However, some of the repos that have the clone\_uri field set work just fine. Others do fail with this issue.

When is the value of the clone\_uri field set?

Is it possible that some have this value set after the conversion and that's why they work?

Thanks,  
Brad

**#11 - 25.12.2017 13:37 - Marcin Kuzminski [staff]**

Hi Brad,

Yes it's possible someone still edited those and the encrypted values got updated with new key. A fair editing should be possible without that errors, and then you can re-enter the cone url.

So probably you'd have to get to single key, and update the values either via direct /settings url (e.g server.com/REPO\_NAME/settings), or via API

**#12 - 12.01.2018 15:38 - Brad Silva**

Can you give me a better idea of what's stored in this field?

Why's it encrypted?

What would be the result of just wiping this field for all of the repos?

Thanks,

Brad

---

From: [redmine@rhodecode.com](mailto:redmine@rhodecode.com) [redmine@rhodecode.com](mailto:redmine@rhodecode.com)

Sent: Monday, December 25, 2017 4:37:16 AM

To: Brad Silva

Subject: [RhodeCode CE/EE - Bug [#5410](#)] After converting to CE, we get the following error when trying to view some repos in the UI: "UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description)

Issue [#5410](#) has been updated by Marcin Kuzminski [staff].

Hi Brad,

Yes it's possible someone still edited those and the encrypted values got updated with new key. A fair editing should be possible without that errors, and then you can re-enter the cone url.

So probably you'd have to get to single key, and update the values either via direct /settings url (e.g server.com/REPO\_NAME/settings), or via API

---

Bug [#5410](#): After converting to CE, we get the following error when trying to view some repos in the UI: "UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description) <https://issues.rhodecode.com/issues/5410#change-25452>

- Author: Brad Silva
- Status: New
- Priority: Normal
- Assignee:
- Category:
- Target version:
- Sorting:
- Commit Number:
- Affected Version:

When clicking on the name of some repos, the error: "500 Internal Server Error | The server has either erred or is incapable of performing the requested operation." is returned by the browser. In the logs, the below error occurs. We are running CE 4.9.0.

We can still clone the repos and do other code operations from the command line or other tools. This seems to only affect the Rhodecode Web UI (which make sense looking at the error).

The problem appears to be that these repos have non-ASCII characters that Rhodecode is trying to interpret as ASCII when preparing the web page for display.

Thanks,

Brad

---

2017-12-08 10:35:43.983 ERROR [rhodecode.config.middleware] error occurred handling this request for path: **//Redacted\*\*\*\*\***

Traceback (most recent call last):

File "/opt/rhodecode/store/w6kjp4h2saa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/tweens.py", line 22, in excview\_tween

response = handler(request)

File "/opt/rhodecode/store/w6kjp4h2saa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/router.py", line 158, in handle\_request

view\_name

```

File "/opt/rhodescode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/view.py", line 547, in
call_view
response = view_callable(context, request)
File "/opt/rhodescode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderivers.py", line
393, in attr_view
return view(context, request)
File "/opt/rhodescode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderivers.py", line
371, in predicate_wrapper
return view(context, request)
File "/opt/rhodescode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderivers.py", line
465, in rendered_view
request, result, view_inst, context)
File "/opt/rhodescode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 432,
in render_view
return self.render_to_response(response, system, request=request)
File "/opt/rhodescode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 455,
in render_to_response
result = self.render(value, system_values, request=request)
File "/opt/rhodescode/store/w6kjp4h2szzaa42f7ykgsgl3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 451,
in render
result = renderer(value, system_values)
File "/opt/rhodescode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramidmako/init.py", line
156, in call
reraise(MakoRenderingException(errtext), None, exc_info[2])
File "/opt/rhodescode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py",
line 148, in call
result = template.render_unicode(*system)
File "/opt/rhodescode/store/wq83njhgwkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/template.py", line 471, in
render_unicode
as_unicode=True)
File "/opt/rhodescode/store/wq83njhgwkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 838, in
_render
*kwargs_for_callable(callable, data))
File "/opt/rhodescode/store/wq83njhgwkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 873, in
render_context
exec_template(inherit, lclcontext, args=args, kwargs=kwargs)
File "/opt/rhodescode/store/wq83njhgwkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 899, in
_execemplate
callable(context, *args, **kwargs)
File "base_root_mako", line 85, in render_body
File "base_base_mako", line 51, in render_body
File "_summarybase_mako", line 112, in render_main
File "rhodescodetemplates_summary_summary_mako", line 52, in render_main
File "base_base_mako", line 690, in render_repopage_title
MakoRenderingException:

```

Traceback (most recent call last):

```

File "/opt/rhodescode/store/i429qpprvnq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py",
line 148, in call
result = template.render_unicode(*system)
File "/opt/rhodescode/store/wq83njhgwkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/template.py", line 471, in
render_unicode
as_unicode=True)
File "/opt/rhodescode/store/wq83njhgwkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 838, in
_render
*kwargs_for_callable(callable, data))
File "/opt/rhodescode/store/wq83njhgwkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 873, in
render_context
exec_template(inherit, lclcontext, args=args, kwargs=kwargs)
File "/opt/rhodescode/store/wq83njhgwkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 899, in
_execemplate
callable(context, *args, **kwargs)
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/base/root.mako", line 155, in render_body
${('Please enable JavaScript to use RhodeCode Enterprise')}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/base/base.mako", line 21, in render_body
${self.menu_bar_subnav()}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/summary/base.mako", line 28, in render_main
${next.main()}
File

```

```
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/summary/summary.mako", line 13, in rendermain
${self.repo_page_title(c.rhodescode_db_repo)}
File
"/opt/rhodescode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhodescode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhodescode/templat
es/summary/summary.mako", line 105, in render_repo_page_title
%if show_items:
UnicodeDecodeError: 'ascii' codec can't decode byte 0xae in position 1: ordinal not in range(128)
```

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### #13 - 12.01.2018 15:40 - Marcin Kuzminski [staff]

- File Screen Shot 2018-01-12 at 15.36.16.png added

Hi Brad,

We store the remote clone url inside this field. In the example screen attached it's the whole value of <https://www.mercurial-scm.org/repo/hg-all>

It's encrypted because you can put credentials inside there.

### #14 - 25.01.2018 20:45 - Brad Silva

Problem fixed. Quick summary of fix steps below.

I got the old encryption key from a backup of the rhodescode.ini file. (the Beaker Secret)

I dumped the list of repos using this query: "select repo\_name from rhodescode.repositories;"

I used this script to determine which repos were encrypted with the old key and which had valid data in the "clone\_uri" field:

```
for a in cat repo-names.out
do
echo
echo "___ $a ___"
curl http://rhodescode:5000/_admin/api -X POST -H 'content-type:text/plain' --data-binary '{"id": 1, "auth_token": "USER TOKEN", "method": "get_repo",
"args":{"repo_id": "\'$a\'"}}'
done
(Yeah, it's ugly, I didn't have much time)
```

Replace the "USER TOKEN" with a token that has the necessary privs.

For repos where the "clone\_uri" field is encrypted with the old key, you'll get "Internal server error". For the others, record any repos where "clone\_uri" contains valid data. In most cases it will probably be blank. You'll need to manually put this data back in the field after the fix.

Shutdown Rhodescode and MySQL. Backup MySQL (because stuff happens).

Start MySQL

Wipe the fields encrypted with the new key by running this query on each repo that is not-bad and has a non-blank "clone\_uri" field.

```
update repositories set clone_uri = " where repo_name = 'myRepoName';
```

Replace the Beaker Secret key in the rhodescode.ini file with the old key.

Start Rhodescode.

You should no longer have the 500 error, although you may still need to replace the values of the "clone\_uri" field that you recorded earlier.

Busy with other projects, so didn't have the time for a proper write-up, but if any one has this problem and has questions, please tell me (I think you can do that through this ticket).

Brad

---

From: [redmine@rhodecode.com](mailto:redmine@rhodecode.com) [redmine@rhodecode.com](mailto:redmine@rhodecode.com)

Sent: Friday, January 12, 2018 6:40:35 AM

To: Brad Silva

Subject: [RhodeCode CE/EE - Bug #5410] After converting to CE, we get the following error when trying to view some repos in the UI: "UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description)

Issue [#5410](#) has been updated by Marcin Kuzminski [staff].

- File Screen Shot 2018-01-12 at 15.36.16.png  
<https://issues.rhodecode.com/attachments/download/2884/Screen%20Shot%202018-01-12%20at%2015.36.16.png> added

Hi Brad,

We store the remote clone url inside this field. In the example screen attached it's the whole value of <https://www.mercurial-scm.org/repo/hg-all>

It's encrypted because you can put credentials inside there.

---

Bug [#5410](#): After converting to CE, we get the following error when trying to view some repos in the UI: "UnicodeDecodeError: 'ascii' codec can't decode byte" (full error in Description)<https://issues.rhodecode.com/issues/5410#change-25472>

- Author: Brad Silva
- Status: New
- Priority: Normal
- Assignee:
- Category:
- Target version:
- Sorting:
- Commit Number:
- Affected Version:

When clicking on the name of some repos, the error: "500 Internal Server Error | The server has either erred or is incapable of performing the requested operation." is returned by the browser. In the logs, the below error occurs. We are running CE 4.9.0.

We can still clone the repos and do other code operations from the command line or other tools. This seems to only affect the Rhodecode Web UI (which make sense looking at the error).

The problem appears to be that these repos have non-ASCII characters that Rhodecode is trying to interpret as ASCII when preparing the web page for display.

Thanks,  
Brad

---

2017-12-08 10:35:43.983 ERROR [rhodecode.config.middleware] error occurred handling this request for path: **//Redacted\*\*\*\*\***

Traceback (most recent call last):

```
File "/opt/rhodecode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/tweens.py", line 22, in excview_tween
response = handler(request)
File "/opt/rhodecode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/router.py", line 158, in handle_request
view_name
File "/opt/rhodecode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/view.py", line 547, in call_view
response = view_callable(context, request)
File "/opt/rhodecode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderivers.py", line 393, in attr_view
return view(context, request)
File "/opt/rhodecode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderivers.py", line 371, in predicate_wrapper
return view(context, request)
File "/opt/rhodecode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/viewderivers.py", line 465, in rendered_view
request, result, view_inst, context)
File "/opt/rhodecode/store/w6kjp4h2saa42f7yksgi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 432, in render_view
return self.render_to_response(response, system, request=request)
```

```
File "/opt/rhocode/store/w6kjp4h2saa42f7yksi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 455,
in render_to_response
result = self.render(value, system_values, request=request)
File "/opt/rhocode/store/w6kjp4h2saa42f7yksi3lqnp2ax51-python2.7-pyramid-1.7.4/lib/python2.7/site-packages/pyramid/renderers.py", line 451,
in render
result = renderer(value, system_values)
File "/opt/rhocode/store/i429qprvnrq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramidmako/init.py", line
156, in call
reraise(MakoRenderingException(errtext), None, exc_info[2])
File "/opt/rhocode/store/i429qprvnrq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py",
line 148, in call
result = template.render_unicode(*system)
File "/opt/rhocode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/template.py", line 471, in
render_unicode
as_unicode=True)
File "/opt/rhocode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 838, in
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*kwargs_for_callable(callable, data))
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render_context
exec_template(inherit, lclcontext, args=args, kwargs=kwargs)
File "/opt/rhocode/store/wq83njhgkwcf0cl6623jzv69gj8v6y3i-python2.7-Mako-1.0.6/lib/python2.7/site-packages/mako/runtime.py", line 899, in
_execemplate
callable(context, *args, **kwargs)
File "base_root_mako", line 85, in render_body
File "base_base_mako", line 51, in render_body
File "_summarybase_mako", line 112, in render_main
File "rhodecodetemplates_summary_summary_mako", line 52, in render_main
File "base_base_mako", line 690, in render_repopage_title
MakoRenderingException:
```

Traceback (most recent call last):

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File "/opt/rhocode/store/i429qprvnrq5h4kfz7dq1pybqs73x68s-python2.7-pyramid-mako-1.0.2/lib/python2.7/site-packages/pyramid_mako/init.py",
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${self.repo_page_title(c.rhocode_db_repo)}
File
"/opt/rhocode/store/6b1a7rcpl0vy12imy67f8chqpm1649p3-python2.7-rhocode-enterprise-ce-4.9.0/lib/python2.7/site-packages/rhocode/templat
es/summary/summary.mako", line 105, in render_repo_page_title
%if show_items:
UnicodeDecodeError: 'ascii' codec can't decode byte 0xae in position 1: ordinal not in range(128)
```

Files

Screen Shot 2018-01-12 at 15.36.16.png

<https://issues.rhocode.com/attachments/download/2884/Screen%20Shot%202018-01-12%20at%2015.36.16.png> (148 KB)

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12.01.2018

Marcin Kuzminski [staff]