

===== TornadoBB =====
===== Document =====

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Download and install all requirements

- python 2.6 or above <http://www.python.org/download/>
- tornado web framework <http://www.tornadoweb.org/>
- mongoDB <http://www.mongodb.org/>
- pytz <http://pytz.sourceforge.net/>
- pygments <http://pygments.org/docs/installation/>
- postmarkup <http://code.google.com/p/postmarkup/>

Intall and run TornadoBB

Easy and fast way

- No apache or niginx for the static content require.
- No cluster configuration for mongoDB
- Tornado and mongoDB standalone run in one server

1. Just copy torodobb directory into where you want to put it.
2. Config your mongoDB.

In folder "tornadobb", there is a script named "mongod.sh". It is a simple startup script for your mongoDB. Edit it as you want.

```
#!/bin/bash
#bin file path
bin_path="/home/di/Data/01/mongodb/bin/mongod"
#listening port
port="27017"
#database file path
db_path="/home/di/Data/01/Workplace/MongoDB/tornadobb"
#log file path
log_path="/home/di/Data/01/Workplace/MongoDB/tornadobb.log"
#only this ip can connect mongod
bind_ip="127.0.0.1"
echo "Starting mongodb....."
echo "Listening at " $port
echo "DB Path: " $db_path
echo "Log Path: " $log_path
echo "Bind IP: " $bind_ip
$bin_path --port $port --dbpath $db_path --logpath $log_path --bind_ip
$bind_ip
```

3. Startup the mongoDB. In shell, input "sh mongod.sh"

```

di@di-debian:~/Data/01/Workplace/git_workplace/tornadobb/tornadobb$ sh mongod.sh
Starting mongod.....
Listening at 27017
DB Path: /home/di/Data/01/Workplace/MongoDB/tornadobb
Log Path: /home/di/Data/01/Workplace/MongoDB/tornadobb.log
Bind IP: 127.0.0.1
all output going to: /home/di/Data/01/Workplace/MongoDB/tornadobb.log

```

4. Set mongod setting in settings.py

```

DATABASE_SETTINGS = {
    "engine": "db_backends.mongod", # name of mongod module
    "host": "localhost",           # Set host address
    "port": 27017,                 # Set port
    "data_file": "db_tornadobb",   # Set database file
    "safe_mode": True,             # True is to run as safe mode
    "last_error_options": {"j": False, "w": 1, "wtimeout": 5000, "fsync": False},
    #if safe_mode is True, mongod will use this as last_error_options
}

```

5. In shell, input "python main.py"

```

di@di-debian:~/Data/01/Workplace/git_workplace/tornadobb$ python main.py
TornadoBB is running on /home/di/Data/01/Workplace/git_workplace/tornadobb/tornadobb

```

6. That's it.

Normal configuration

TornadoBB's all setting parameters are in settings.py

After change any parameters, you need to restart tornadobb

1. open settings.py with your favourite editor

2. set forum basic information

```
# Forum title
```

```
FORUM_TITLE = "TornadoBB Forum"
```

```
# Forum sub title
```

```
FORUM_SUB_TITLE = "A Simple & Fast Forum based on Tornado Frameworks written by Python and MongoDB"
```

3. select default webpage template and style

#html page template

FORUM_TEMPLATE = "fluxbb" #currently, tornadobb only has fluxbb template

selected default style

required, css file name without extend file name

FORUM_STYLE = "Air" #more styles are in tornadobb_path/static/style/fluxbb

4. setup root url for your forum. Normaly, your forum should share with other application. So it should be accessed with a sub_url. Such as <http://yourdomain/forum>. The root url setting is for this sub_url.

#root url

TORNADOBB_ROOT_URL = r"/tornadobb"

5. setup a administrator account

admin url, access it with TORNADOBB_ROOT_URL/TORNADOBB_ADMIN_URL

You can write a very complicated url for security, such as: HQr7\$OP, whatever

TORNADOBB_ADMIN_URL = r"/admin"

TORNADOBB_FIRST_ADMIN_NAME="admin"

TORNADOBB_FIRST_ADMIN_PASSWORD="admin"

TORNADOBB_FIRST_ADMIN_EMAIL="songdi19@gmail.com"

6. Set session expire time

expired time for session

TORNADOBB_SESSION_EXPIRE = 30 #mins

7. Set default time zone. If you deploy your tornadobb on a overseas server, but the most of accesses come from other country. You can set this setting, let the guests have the corrent time shown. More time zones are in appendix.

default time zone

TORNADOBB_TIME_ZONE="Australia/Sydney"

8. Setup your SMTP account. The sample is for Gmail.

```
SMTP_SETTINGS = {  
    "server": "smtp.gmail.com",  
    "use_authentication": True,  
    "tls_port": 587,  
    "ssl_port": 465,  
    "port": None,  
    "username": "",
```

```
"password": "",  
"email_address": "", }
```

Advanced configuration

1. Add one new highlight

For example, you like to add a highlight named “green”.

1. In the settings.py, you can find below and write.

```
_highlight_settings = [  
    "red",  
    "black",  
    "underline",  
    “green”,  
]
```

2. Go to **tornadobb_path/static/style**, open highlight.css and write.

```
.red {  
    color : #ff0000  
}  
  
.black {  
    color : #000000  
}  
  
.underline {  
    text-decoration:underline  
}  
  
.green {  
    color : #008000  
}
```

3. Restart the tornadobb, and you can use this highlight.

2. Select and add yourself emoticons

If you do not like my emoticons, you can add yourself. For example:

1. You write below in the settings.py and put the emoticon files into where they should be

```
_emoticon_1_settings = {  
    ":D" : TORNADOBB_ROOT_URL + "/static/images/emoticon/emoticon-happy.png",  
    ":(" : TORNADOBB_ROOT_URL + "/static/images/emoticon/emoticon-unhappy.png",  
    ":o" : TORNADOBB_ROOT_URL + "/static/images/emoticon/emoticon-surprised.png",  
    ":p" : TORNADOBB_ROOT_URL + "/static/images/emoticon/emoticon-tongue.png",  
}
```

```

";)" : TORNADOBB_ROOT_URL + "/static/images/emoticon/emoticon-wink.png",
":)" : TORNADOBB_ROOT_URL + "/static/images/emoticon/emoticon-smile.png",
}

```

2. In `tornadobb_settings`, find `"tornadobb.emoticon_settings"` and change.

```

tornadobb_settings={
    ....
    "tornadobb.emoticon_settings" : _emoticon_1_settings
    ....
}

```

3. Restart the `tornadobb`, and you can use your new emoticons.

3. More settings:

```

tornadobb_settings = {
    ....
    #default highlight, any topic has this highlight.
    "tornadobb.topic_default_highlight": "",
    #the format of datetime
    "tornadobb.datetime_format": " %Y-%m-%d %H:%M ",
    #default language
    "tornadobb.default_locale": "zh-CN",
    #each interval access times, update access log.
    "tornadobb.set_access_log_interval": 10,
    # cells number of pagination
    "tornadobb.pagination_pages_num": 5,
    #how many topics on per page
    "tornadobb.topics_num_per_page": 20,
    #how many posts on per page
    "tornadobb.posts_num_per_page": 10,
    #when get the threshold, this topic will become distilled topic
    "tornadobb.distillat_threshold": 60, # replies number
    #min character number of a topic's subject
    "tornadobb.subject_min_chars_num": 1,
    #max character number of a topic's subject
    "tornadobb.subject_max_chars_num": 100,
    #min character number of a post content
    "tornadobb.post_min_chars_num": 20,
}

```

```

#max character number of a post content
"tornadobb.post_max_chars_num":5000,
#max character number of a signature
"tornadobb.signature_max_chars_num":400,
#min character number of a username
"tornadobb.username_min_chars_num" : 2,
#max character number of a username
"tornadobb.username_max_chars_num" : 25,
#min character number of a password
"tornadobb.password_min_chars_num" : 5,
#max character number of a password
"tornadobb.password_max_chars_num" : 25,
#min character number of a category
"tornadobb.category_min_chars_num" : 5,
#max character number of a category
"tornadobb.category_max_chars_num" : 25,
#min character number of a forum
"tornadobb.forum_min_chars_num" : 5,
#min character number of a forum
"tornadobb.forum_max_chars_num" : 25,
#min character number of a forum description
"tornadobb.forum_des_min_chars_num" : 0,
#max character number of a forum description
"tornadobb.forum_des_max_chars_num" : 25,
....
}

```

Appendix:

All time zone parameters:

'Africa/Abidjan', 'Africa/Accra', 'Africa/Addis_Ababa', 'Africa/Algiers',
'Africa/Asmara', 'Africa/Bamako', 'Africa/Bangui', 'Africa/Banjul', 'Africa/Bissau',
'Africa/Blantyre', 'Africa/Brazzaville', 'Africa/Bujumbura', 'Africa/Cairo',
'Africa/Casablanca', 'Africa/Ceuta', 'Africa/Conakry', 'Africa/Dakar',
'Africa/Dar_es_Salaam', 'Africa/Djibouti', 'Africa/Douala', 'Africa/El_Aaiun',
'Africa/Freetown', 'Africa/Gaborone', 'Africa/Harare', 'Africa/Johannesburg',
'Africa/Juba', 'Africa/Kampala', 'Africa/Khartoum', 'Africa/Kigali',

'Africa/Kinshasa', 'Africa/Lagos', 'Africa/Libreville', 'Africa/Lome', 'Africa/Luanda',
'Africa/Lubumbashi', 'Africa/Lusaka', 'Africa/Malabo', 'Africa/Maputo',
'Africa/Maseru', 'Africa/Mbabane', 'Africa/Mogadishu', 'Africa/Monrovia',
'Africa/Nairobi', 'Africa/Ndjamena', 'Africa/Niamey', 'Africa/Nouakchott',
'Africa/Ouagadougou', 'Africa/Porto-Novo', 'Africa/Sao_Tome', 'Africa/Tripoli',
'Africa/Tunis', 'Africa/Windhoek', 'America/Adak', 'America/Anchorage',
'America/Anguilla', 'America/Antigua', 'America/Araguaina',
'America/Argentina/Buenos_Aires', 'America/Argentina/Catamarca',
'America/Argentina/Cordoba', 'America/Argentina/Jujuy',
'America/Argentina/La_Rioja', 'America/Argentina/Mendoza',
'America/Argentina/Rio_Gallegos', 'America/Argentina/Salta',
'America/Argentina/San_Juan', 'America/Argentina/San_Luis',
'America/Argentina/Tucuman', 'America/Argentina/Ushuaia', 'America/Aruba',
'America/Asuncion', 'America/Atikokan', 'America/Bahia',
'America/Bahia_Banderas', 'America/Barbados', 'America/Belem',
'America/Belize', 'America/Blanc-Sablon', 'America/Boa_Vista',
'America/Bogota', 'America/Boise', 'America/Cambridge_Bay',
'America/Campo_Grande', 'America/Cancun', 'America/Caracas',
'America/Cayenne', 'America/Cayman', 'America/Chicago',
'America/Chihuahua', 'America/Costa_Rica', 'America/Cuiaba',
'America/Curacao', 'America/Danmarkshavn', 'America/Dawson',
'America/Dawson_Creek', 'America/Denver', 'America/Detroit',
'America/Dominica', 'America/Edmonton', 'America/Eirunepe',
'America/El_Salvador', 'America/Fortaleza', 'America/Glace_Bay',
'America/Godthab', 'America/Goose_Bay', 'America/Grand_Turk',
'America/Grenada', 'America/Guadeloupe', 'America/Guatemala',
'America/Guayaquil', 'America/Guyana', 'America/Halifax', 'America/Havana',
'America/Hermosillo', 'America/Indiana/Indianapolis', 'America/Indiana/Knox',
'America/Indiana/Marengo', 'America/Indiana/Petersburg',
'America/Indiana/Tell_City', 'America/Indiana/Vevay',
'America/Indiana/Vincennes', 'America/Indiana/Winamac', 'America/Inuvik',
'America/Iqaluit', 'America/Jamaica', 'America/Juneau',
'America/Kentucky/Louisville', 'America/Kentucky/Monticello',
'America/Kralendijk', 'America/La_Paz', 'America/Lima', 'America/Los_Angeles',
'America/Lower_Princes', 'America/Maceio', 'America/Managua',
'America/Manaus', 'America/Marigot', 'America/Martinique',
'America/Matamoros', 'America/Mazatlan', 'America/Menominee',
'America/Merida', 'America/Metlakatla', 'America/Mexico_City',
'America/Miquelon', 'America/Moncton', 'America/Monterrey',

'America/Montevideo', 'America/Montreal', 'America/Montserrat',
'America/Nassau', 'America/New_York', 'America/Nipigon', 'America/Nome',
'America/Noronha', 'America/North_Dakota/Beulah',
'America/North_Dakota/Center', 'America/North_Dakota/New_Salem',
'America/Ojinaga', 'America/Panama', 'America/Pangnirtung',
'America/Paramaribo', 'America/Phoenix', 'America/Port-au-Prince',
'America/Port_of_Spain', 'America/Porto_Velho', 'America/Puerto_Rico',
'America/Rainy_River', 'America/Rankin_Inlet', 'America/Recife',
'America/Regina', 'America/Resolute', 'America/Rio_Branco',
'America/Santa_Isabel', 'America/Santarem', 'America/Santiago',
'America/Santo_Domingo', 'America/Sao_Paulo', 'America/Scoresbysund',
'America/Shiprock', 'America/Sitka', 'America/St_Barthelemy',
'America/St_Johns', 'America/St_Kitts', 'America/St_Lucia', 'America/St_Thomas',
'America/St_Vincent', 'America/Swift_Current', 'America/Tegucigalpa',
'America/Thule', 'America/Thunder_Bay', 'America/Tijuana', 'America/Toronto',
'America/Tortola', 'America/Vancouver', 'America/Whitehorse',
'America/Winnipeg', 'America/Yakutat', 'America/Yellowknife',
'Antarctica/Casey', 'Antarctica/Davis', 'Antarctica/DumontDURville',
'Antarctica/Macquarie', 'Antarctica/Mawson', 'Antarctica/McMurdo',
'Antarctica/Palmer', 'Antarctica/Rothera', 'Antarctica/South_Pole',
'Antarctica/Syowa', 'Antarctica/Vostok', 'Arctic/Longyearbyen', 'Asia/Aden',
'Asia/Almaty', 'Asia/Amman', 'Asia/Anadyr', 'Asia/Aqtau', 'Asia/Aqtobe',
'Asia/Ashgabat', 'Asia/Baghdad', 'Asia/Bahrain', 'Asia/Baku', 'Asia/Bangkok',
'Asia/Beirut', 'Asia/Bishkek', 'Asia/Brunei', 'Asia/Choibalsan', 'Asia/Chongqing',
'Asia/Colombo', 'Asia/Damascus', 'Asia/Dhaka', 'Asia/Dili', 'Asia/Dubai',
'Asia/Dushanbe', 'Asia/Gaza', 'Asia/Harbin', 'Asia/Hebron', 'Asia/Ho_Chi_Minh',
'Asia/Hong_Kong', 'Asia/Hovd', 'Asia/Irkutsk', 'Asia/Jakarta', 'Asia/Jayapura',
'Asia/Jerusalem', 'Asia/Kabul', 'Asia/Kamchatka', 'Asia/Karachi', 'Asia/Kashgar',
'Asia/Kathmandu', 'Asia/Kolkata', 'Asia/Krasnoyarsk', 'Asia/Kuala_Lumpur',
'Asia/Kuching', 'Asia/Kuwait', 'Asia/Macau', 'Asia/Magadan', 'Asia/Makassar',
'Asia/Manila', 'Asia/Muscat', 'Asia/Nicosia', 'Asia/Novokuznetsk',
'Asia/Novosibirsk', 'Asia/Omsk', 'Asia/Oral', 'Asia/Phnom_Penh', 'Asia/Pontianak',
'Asia/Pyongyang', 'Asia/Qatar', 'Asia/Qyzylorda', 'Asia/Rangoon', 'Asia/Riyadh',
'Asia/Sakhalin', 'Asia/Samarkand', 'Asia/Seoul', 'Asia/Shanghai',
'Asia/Singapore', 'Asia/Taipei', 'Asia/Tashkent', 'Asia/Tbilisi', 'Asia/Tehran',
'Asia/Thimphu', 'Asia/Tokyo', 'Asia/Ulaanbaatar', 'Asia/Urumqi', 'Asia/Vientiane',
'Asia/Vladivostok', 'Asia/Yakutsk', 'Asia/Yekaterinburg', 'Asia/Yerevan',
'Atlantic/Azores', 'Atlantic/Bermuda', 'Atlantic/Canary', 'Atlantic/Cape_Verde',
'Atlantic/Faroe', 'Atlantic/Madeira', 'Atlantic/Reykjavik', 'Atlantic/South_Georgia',

'Atlantic/St_Helena', 'Atlantic/Stanley', 'Australia/Adelaide', 'Australia/Brisbane',
'Australia/Broken_Hill', 'Australia/Currie', 'Australia/Darwin', 'Australia/Eucla',
'Australia/Hobart', 'Australia/Lindeman', 'Australia/Lord_Howe',
'Australia/Melbourne', 'Australia/Perth', 'Australia/Sydney', 'Canada/Atlantic',
'Canada/Central', 'Canada/Eastern', 'Canada/Mountain',
'Canada/Newfoundland', 'Canada/Pacific', 'Europe/Amsterdam',
'Europe/Andorra', 'Europe/Athens', 'Europe/Belgrade', 'Europe/Berlin',
'Europe/Bratislava', 'Europe/Brussels', 'Europe/Bucharest', 'Europe/Budapest',
'Europe/Chisinau', 'Europe/Copenhagen', 'Europe/Dublin', 'Europe/Gibraltar',
'Europe/Guernsey', 'Europe/Helsinki', 'Europe/Isle_of_Man', 'Europe/Istanbul',
'Europe/Jersey', 'Europe/Kaliningrad', 'Europe/Kiev', 'Europe/Lisbon',
'Europe/Ljubljana', 'Europe/London', 'Europe/Luxembourg', 'Europe/Madrid',
'Europe/Malta', 'Europe/Mariehamn', 'Europe/Minsk', 'Europe/Monaco',
'Europe/Moscow', 'Europe/Oslo', 'Europe/Paris', 'Europe/Podgorica',
'Europe/Prague', 'Europe/Riga', 'Europe/Rome', 'Europe/Samara',
'Europe/San_Marino', 'Europe/Sarajevo', 'Europe/Simferopol', 'Europe/Skopje',
'Europe/Sofia', 'Europe/Stockholm', 'Europe/Tallinn', 'Europe/Tirane',
'Europe/Uzhgorod', 'Europe/Vaduz', 'Europe/Vatican', 'Europe/Vienna',
'Europe/Vilnius', 'Europe/Volgograd', 'Europe/Warsaw', 'Europe/Zagreb',
'Europe/Zaporozhye', 'Europe/Zurich', 'GMT', 'Indian/Antananarivo',
'Indian/Chagos', 'Indian/Christmas', 'Indian/Cocos', 'Indian/Comoro',
'Indian/Kerguelen', 'Indian/Mahe', 'Indian/Maldives', 'Indian/Mauritius',
'Indian/Mayotte', 'Indian/Reunion', 'Pacific/Apia', 'Pacific/Auckland',
'Pacific/Chatham', 'Pacific/Chuuk', 'Pacific/Easter', 'Pacific/Efate',
'Pacific/Enderbury', 'Pacific/Fakaofu', 'Pacific/Fiji', 'Pacific/Funafuti',
'Pacific/Galapagos', 'Pacific/Gambier', 'Pacific/Guadalcanal', 'Pacific/Guam',
'Pacific/Honolulu', 'Pacific/Johnston', 'Pacific/Kiritimati', 'Pacific/Kosrae',
'Pacific/Kwajalein', 'Pacific/Majuro', 'Pacific/Marquesas', 'Pacific/Midway',
'Pacific/Nauru', 'Pacific/Niue', 'Pacific/Norfolk', 'Pacific/Noumea',
'Pacific/Pago_Pago', 'Pacific/Palau', 'Pacific/Pitcairn', 'Pacific/Pohnpei',
'Pacific/Port_Moresby', 'Pacific/Rarotonga', 'Pacific/Saipan', 'Pacific/Tahiti',
'Pacific/Tarawa', 'Pacific/Tongatapu', 'Pacific/Wake', 'Pacific/Wallis', 'US/Alaska',
'US/Arizona', 'US/Central', 'US/Eastern', 'US/Hawaii', 'US/Mountain', 'US/Pacific',
'UTC'