#Dovecot/Postfix Email Database Script

#CCDC 2015, Davenport

#Interpreted by John Mazouri

DROP DATABASE IF EXISTS mailserver;

CREATE DATABASE mailserver;

GRANT USAGE ON \*.\* TO 'mailuser'@'127.0.0.1';

DROP USER 'mailuser'@'127.0.0.1';

GRANT SELECT ON mailserver.\* TO 'mailuser'@'127.0.0.1' IDENTIFIED BY 'through rain sleet snow or hail';

FLUSH PRIVILEGES;

USE mailserver;

#Table of Domains

CREATE TABLE `virtual\_domains` (  
 `id` int(11) NOT NULL auto\_increment,  
 `name` varchar(50) NOT NULL,  
 PRIMARY KEY (`id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

#Table of Users/Emails

CREATE TABLE `virtual\_users` (  
 `id` int(11) NOT NULL auto\_increment,  
 `domain\_id` int(11) NOT NULL,  
 `password` varchar(106) NOT NULL,  
 `email` varchar(100) NOT NULL,  
 PRIMARY KEY (`id`),  
 UNIQUE KEY `email` (`email`),  
 FOREIGN KEY (domain\_id) REFERENCES virtual\_domains(id) ON DELETE CASCADE  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

#Table of Aliases (redirects)

CREATE TABLE `virtual\_aliases` (  
 `id` int(11) NOT NULL auto\_increment,  
 `domain\_id` int(11) NOT NULL,  
 `source` varchar(100) NOT NULL,  
 `destination` varchar(100) NOT NULL,  
 PRIMARY KEY (`id`),  
 FOREIGN KEY (domain\_id) REFERENCES virtual\_domains(id) ON DELETE CASCADE  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

#Insert initial domains

INSERT INTO `mailserver`.`virtual\_domains`  
 (`id` ,`name`)  
VALUES  
 ('1', 'local.jmazouri.com'),  
 ('2', 'macchiato.local.jmazouri.com'),  
 ('3', 'localhost.local.jmazouri.com'),  
 ('4', 'localhost');

#Insert initial emails

INSERT INTO `mailserver`.`virtual\_users`  
 (`id`, `domain\_id`, `password` , `email`)  
VALUES  
 ('1', '1', ENCRYPT('christian cannot into windows', CONCAT('$6$', SUBSTRING(SHA(RAND()), -16))), 'jmazouri@local.jmazouri.com'),  
 ('2', '1', ENCRYPT('pop3 makes me want to kill myself', CONCAT('$6$', SUBSTRING(SHA(RAND()), -16))), 'scottrax@local.jmazouri.com'),  
 ('3', '1', ENCRYPT('hobble baby hobble baby hobble baby hobble', CONCAT('$6$', SUBSTRING(SHA(RAND()), -16))), 'triscint@local.jmazouri.com'),  
 ('4', '1', ENCRYPT('the rightful ruler of the iron throne', CONCAT('$6$', SUBSTRING(SHA(RAND()), -16))), 'aloomis@local.jmazouri.com'),

('5', '1', ENCRYPT('postman pat and his black and white cat', CONCAT('$6$', SUBSTRING(SHA(RAND()), -16))), 'mailman@local.jmazouri.com');

#Set up mail aliases

INSERT INTO `mailserver`.`virtual\_aliases`  
 (`id`, `domain\_id`, `source`, `destination`)  
VALUES  
 ('1', '1', 'garbage@local.jmazouri.com', 'scottrax@local.jmazouri.com');