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## DRM USER MANAGEMENT API

### User's Guide

## Introduction

This document discusses implementation of the User Management API for EC Suite DRM services. This document is intended for programmers, technicians, and others with advanced coding skills.

## Overview

The EC Suite DRM User Management API provides a flexible means with which to manage users. Implementation of these features is described below.

## Issuing Requests

Requests are issued using secure HTTPS calls to:

**<https://mediamanager.ecsuite.com/UserAPI.asp>**

All requests issued to the User Management API are authenticated through the use of a message digest created using the MD5 algorithm (in hex mode). This is a small string of characters computed from the input data (such as the username and account number) and a private key, known in this documentation as the **api\_key**. This key is set within the EC Suite Admin Portal at **Tools -> API Key Management**. The two settings on that screen that relate to the User Management API are **API Authentication Mechanism**, and **User Management API Key Passphrase**. The recommended setting for the Mechanism is MD5 Hash; you can use any text string for the passphrase.

For example, a call to add a user might look like this (ignore line wraps):

```
https://mediamanager.ecsuite.com/UserAPI.asp?clientAccnum=900100&clientSubacc=0000&cmd=Add&username=ScottM&password=123123&sku=206&transaction=1002313223&key=aeb136856b2f1e14a8d6d56c1b798d55
```

## MD5 Security

The format of the input for the MD5 is similar to a normal HTML request, and looks like the string below. **The order of values entered is important when generating the MD5 string.** The order is unimportant elsewhere. Values you will provide are represented between the double-percent (%%) signs, and requests should be issued without line breaks.

```
clientAccnum=%%ACCNUM%%&clientSubacc=%%SUBACC%%&cmd=%%CMD%%&username=%%USER%%&password=%%PASS%%&key=%%API_KEY%%
```

The values you will provide are listed below. Each value is always used in the generation of the MD5 unless specifically noted.

- **%%ACCNUM%%** - Account number assigned to you by EC Suite.
- **%%SUBACC%%** - Subaccount to which this user belongs.
- **%%CMD%%** - Command to execute.
- **%%USER%%** - Username for this user (up to 100 characters).
- **%%PASS%%** - Password for this user (only used when password is specified in request).
- **%%API\_KEY%%** - Private key assigned to this subaccount.

## User Management Commands

The following sections describe each individual command. When creating the MD5 hash, you will need to include each parameter in the order they appear in the list for that command (for the actual HTTPS request, the order is not important). Note that when generating the MD5, the 'key' value is the api\_key defined above. When creating the actual HTTPS request, the 'key' value is the MD5 hash generated by the input string.

### Adding Users (cmd=Add)

Required Parameters:

- **clientAccnum** - Account number assigned to you by EC Suite.
- **clientSubacc** - Subaccount to which the user will be added.
- **cmd** - Must be set to 'Add', case sensitive.
- **username** - Username to add.
- **password** - Password for this user.
- **sku** - Content Usage Rule to assign to this user.
- **key** - MD5/api\_key generated using the method above.

Optional Parameters:

- **transaction** - 10 digit transaction id to link to this user. Note that this value follows the key in the MD5 input and HTTPS request strings.

### Changing Passwords (cmd=Password)

Required Parameters:

- **clientAccnum** - Account number assigned to you by EC Suite.
- **clientSubacc** - Subaccount to which this user belongs.
- **cmd** - Must be set to 'Password', case sensitive.
- **username** - Username for which to change the password.
- **password** - New password for this user.
- **key** - MD5/api\_key generated using the method above.

### Removing Users (cmd=Remove)

Required Parameters:

- **clientAccnum** - Account number assigned to you by EC Suite.
- **clientSubacc** - Subaccount to which this user belongs.
- **cmd** - Must be set to 'Remove', case sensitive.
- **username** - Username to remove.
- **key** - MD5/api\_key generated using the method above.

## Checking passwords (cmd=Check)

Required Parameters:

- **clientAccnum** - Account number assigned to you by EC Suite
- **clientSubacc** - Subaccount for which this user belongs.
- **cmd** - Must be set to 'Check', case sensitive.
- **username** - Username to authenticate.
- **password** - Password to try.
- **sku** - Content Usage Rule to assign to this user (optional).
- **key** - MD5/api\_key generated using the method above.

## Checking tokens (cmd=CheckTokens)

Required Parameters:

- **clientAccnum** - Account number assigned to you by EC Suite
- **clientSubacc** - Subaccount for which this user belongs.
- **cmd** - Must be set to 'CheckTokens', case sensitive.
- **username** - Username to authenticate.
- **tokens** - Number of tokens required for this operation. If the number of tokens the user possesses is lower than this value, and error is returned.
- **key** - MD5/api\_key generated using the method above.