

# ambari多集群修改

## ambari-web

### encodeURIComponent():

#### /ambari-web/app/controllers/main/host/details.js

搜索 sendComponentCommand方法并修改:

```
context: encodeURIComponent(context),
```

#### /ambari-web/app/controllers/wizard.js

搜索 installServices 方法 并修改:

```
context: encodeURIComponent(Em.I18n.t('requestInfo.installServices')),
```

#### /ambari-web/app/controllers/wizard/step9\_controller.js

搜索 launchStartServices 方法并修改:

```
"context": encodeURIComponent(Em.I18n.t("requestInfo.startAddedServices")),
```

#### /ambari-web/app/mixins/main/host/details/host\_components/install\_component.js

搜索addNewComponentSuccessCallback方法并修改

```
"context": encodeURIComponent(Em.I18n.t('requestInfo.installNewHostComponent')) + "  
" + params.component.get('displayName'),
```

#### /ambari-web/app/utils/ajax/ajax.js

'restart.hostComponents'

```
"context": encodeURIComponent(data.context),
```

#### /ambari-web/app/controllers/main/service/add\_controller.js

generateDataForInstallServices

```
"context": encodeURIComponent(Em.I18n.t('requestInfo.installServices')),
```

## decodeURI ()

### /ambari-web/app/utils/host\_progress\_popup.js

abortRequest

```
}, decodeURI(Em.I18n.t('hostPopup.bgop.abortRequest.confirmation.body')
).format(requestName)));
```

### /ambari-web/app/utils/host\_progress\_popup.js

abortRequestSuccessCallback

```
body: decodeURI(Em.I18n.t('hostPopup.bgop.abortRequest.modal.body')
).format(data.requestName)),
```

### /ambari-web/app/views/common/host\_progress\_popup\_body\_view.js

backToHostList: function ()

```
this.get("controller").set("popupHeaderName",
decodeURI(this.get("controller.serviceName")));
```

### /ambari-web/app/views/common/host\_progress\_popup\_body\_view.js

gotoHosts: function

```
this.set("controller.popupHeaderName",
decodeURI(event.context.get("name")));
```

/ambari-web/app/views/common/host\_progress\_popup\_body\_view.js updateHostInfo 398 (会报错，还是要在编译安装之后，在app.js中 function program5(depth0,data) (搜索<div class="time-summary start-time-text">) 处 倒数第二行 添加  
data.buffer.childBuffers[6].childBuffers[1] =  
decodeURI(data.buffer.childBuffers[6].childBuffers[1]);) 添加：

```
var serviceList = this.get("controller.servicesInfo");
for(var i=0;i<serviceList.length;i++){
    serviceList[i].name = decodeURI(serviceList[i].name);
}
this.set("services", serviceList);
```

## 安装服务第一步，报错

注掉 loadServiceVersionFromVersionDefinitionsSuccessCallback 的内容

/ambari-web/app/controllers/main/admin/stack\_and\_upgrade\_controller.js

## ambari-admin

1./var/lib/ambari-server/resources/views/work/ADMIN\_VIEW{2.2.2.0} (1)scripts子目录下的main.js 先使用<http://tool.oschina.net/codeformat/js/>网站的在线JavaScript格式化功能格式化原main.js, 然后修改main.js dashboard:{ url: '/dashboard', controller: ['window', function(window) { \$window.location.replace( '/#/main/dashboard'); }], template: " }

/ambari-admin/src/main/resources/ui/admin-web/app/scripts/routes.js 168

修改为 dashboard:{ url: '/dashboard/:id', controller: ['window', "routeParams", function(\$window,f) { \$window.location.replace('/#/main/dashboard'+f.id); }], template: " }

### 将1511行

```
function loadClusterData(){
Cluster.getStatus().then( function(cluster) {
    $scope.cluster = cluster;
    $scope.isLoaded = true;
    if(cluster && cluster.Clusters.provisioning_state === 'INIT'){
        setTimeout(loadClusterData, 1000);
    }
}).catch( function(data) {
    Alert.error($t( 'common.alerts.cannotLoadClusterStatus' ),
data.statusText);
});
}
```

/ambari-admin/src/main/resources/ui/admin-web/app/scripts/controllers/mainCtrl.js 70

修改为 function loadClusterData(){ Cluster.getStatus().then(function(cluster) {  
*scope.cluster = cluster;*scope.isLoaded = true; if(cluster && cluster.provisioning\_state ===  
'INIT'){ setTimeout(loadClusterData, 1000); } }).catch(function(data) {  
Alert.error(\$t('common.alerts.cannotLoadClusterStatus'), data.statusText); }); }

### 将1653行

```
function loadClusterData() {
Cluster.getStatus().then( function (cluster) {
    $scope.cluster = cluster;
    Stack.allRepos({version: '',
        cluster: {
            options: [],
            current: null
        }, {}}).then( function (repos) {
        $scope.totalRepos = repos.itemTotal;
    });
    if (cluster && cluster.Clusters.provisioning_state === 'INIT') {
```

```

        setTimeout(loadClusterData, 1000);
    }
}).catch( function (data) {
    Alert.error($t( 'common.alerts.cannotLoadClusterStatus' ),
data.statusText);
});
}

```

/ambari-admin/src/main/resources/ui/admin-web/app/scripts/controllers/NavbarCtrl.js 32

修改为 function loadClusterData() { Cluster.getStatus().then(function (cluster) {  
Extra open brace or missing close brace scope.totalRepos = repos.itemTotal; }); if (cluster &&  
cluster.provisioning\_state === 'INIT') { setTimeout(loadClusterData, 1000); } }).catch(function  
(data) { Alert.error(\$t('common.alerts.cannotLoadClusterStatus'), data.statusText); }); }

## 1672行新增

/ambari-admin/src/main/resources/ui/admin-web/app/scripts/controllers/NavbarCtrl.js 50行新增

```

$scope.viewClusterPermissions = function(index) {
    $scope.viewWhichClusterPermissions = index;
},
    $scope.oldClusterName = null,
    $scope.changeWhichClusterName = null,

```

## 将1680行

```

scope.toggleEditName = function(event) {
    if ($event && $event.keyCode !== 27) {
        // 27 = Escape key
        return false;
    }
    $scope.editCluster.name= $scope.cluster.Clusters.cluster_name;
    $scope.editCluster.editingName= !$scope.editCluster.editingName;  };
};

```

/ambari-admin/src/main/resources/ui/admin-web/app/scripts/controllers/NavbarCtrl.js 57

修改为 scope.toggleEditName = function(event,i) { // if (event && event.keyCode !== 27) { // 27 =  
Escape key // return false; // } scope.changeWhichClusterName = i,\$scope.oldClusterName  
= event;\$scope.editCluster.name = event;\$scope.editCluster.editingName =  
!\$scope.editCluster.editingName; };

## 将1715行

```

$scope.saveClusterName = function() {
var oldClusterName = $scope.cluster.Clusters. cluster_name,
    newClusterName = $scope.editCluster.name;

Cluster.editName(oldClusterName, newClusterName).then( function(data) {
    $scope.cluster.Clusters.cluster_name = newClusterName;
    Alert.success($t( 'common.alerts.clusterRenamed', {clusterName:
newClusterName}));
}).catch( function(data) {
    Alert.error($t( 'common.alerts.cannotRenameCluster', {clusterName:
newClusterName}), data.data.message);
});
$scope.toggleEditName();
};

```

/ambari-admin/src/main/resources/ui/admin-web/app/scripts/controllers/NavbarCtrl.js 92

修改为 \$scope.saveClusterName = function() { var n = \$scope.oldClusterName, s = \$scope.editCluster.name; Cluster.editName(n, s).then(function(t) { \$scope.oldClusterName = s, Alert.success(\$t('common.alerts.clusterRenamed', s)); window.location.reload(); }).catch(function(data) { Alert.error(\$t('common.alerts.cannotRenameCluster', s), data.data.message); });

```

$scope.toggleEditName();
};

```

## 将3353行

```

Cluster.getAllClusters().then( function (clusters) {
    if(clusters.length >0){
        clusters.forEach( function(cluster) {
            $scope.clusters.push({
                "name" : cluster.Clusters.cluster_name,
                "id" : cluster.Clusters.cluster_id
            })
        });
        $scope.noLocalClusterAvailible = false;
    }else{
        $scope.clusters.push($t( 'common.noClusters' ));
    }
    $scope.cluster = $scope.clusters[0];
});

```

/ambari-admin/src/main/resources/ui/admin-web/app/scripts/controllers/ambariViews/ViewsEditCtrl.js 217 这个 /ambari-admin/src/main/resources/ui/admin-web/app/scripts/controllers/ambariViews/CreateViewInstanceCtrl.js 105

修改为 Cluster.getAllClusters().then(function (clusters) { if(clusters.length >0){ clusters.forEach(function(cluster) { Extra close brace or missing open brace scope.noLocalClusterAvailable = false; }else{ scope.clusters.push(t('common.noClusters')); } scope.cluster = scope.clusters[1]; });

## 将2330行

```
getStatus: function() {
    var deferred = $q.defer();
    $http.get(Settings.baseUrl + '/clusters?
fields=Clusters/provisioning_state' , {mock: 'cluster/init.json'})
    .then( function(data, status, headers) {
        deferred.resolve(data.data.items[0]);
    })
    .catch( function(data) {
        deferred.reject(data);
    });
    return deferred .promise;
},
```

/ambari-admin/src/main/resources/ui/admin-web/app/scripts/services/Cluster.js 100 修改为  
getStatus: function() { var deferred = \$q.defer();

```
    $http.get(Settings.baseUrl + '/clusters?
fields=Clusters/provisioning_state' , {mock: 'cluster/init.json'})
    .then(function(data, status, headers) {
        deferred.resolve(data.data.items);
    })
    .catch(function(data) {
        deferred.reject(data);
    });

    return deferred.promise;
},
```

(2)views子目录下的leftNavbar.html、main.html leftNavbar.html: /ambari-admin/src/main/resources/ui/admin-web/app/views/leftNavbar.html

## 将22行

```
<div class="cluster-section" ng-show="cluster">
```

修改为

```
<div class="cluster-section" ng-show="cluster" ng-repeat="singleCluster in
cluster">
```

## 将24行

```
<h5 ng-switch-when="false">{{cluster.Clusters.cluster_name}}
```

修改为

```
<h5><div title={{singleCluster.Clusters.cluster_name}}  
class="clusterDisplayName">{{singleCluster.Clusters.cluster_name}}</div>
```

## 将25行

```
<i ng-show="cluster.Clusters.provisioning_state == 'INSTALLED'"  
    ng-click="toggleEditName()"  
    class="glyphicon glyphicon-edit pull-right edit-cluster-name  
renameCluster" tooltip="{{'common.renameCluster' | translate}}">  
</i>
```

修改为

```
<i ng-show="singleCluster.Clusters.provisioning_state == 'INSTALLED'" ng-  
click="toggleEditName(singleCluster.Clusters.cluster_name, $index)"  
class="glyphicon glyphicon-edit pull-right edit-cluster-name renameCluster"  
tooltip="{{'common.renameCluster' | translate}}"></i>
```

## 将28行

```
<form ng-keyup="toggleEditName($event)" tabindex="1"  
name="editClusterNameForm" class="editClusterNameForm" ng-switch-  
when="true"  
ng-submit="editCluster.name !== cluster.Clusters.cluster_name &&  
editClusterNameForm.newClusterName.$valid && confirmClusterNameChange()">
```

修改为

## 55行

```
<button  
    type="submit"  
    class="btn btn-primary btn-xs"  
    ng-class="{ 'disabled':  
editClusterNameForm.newClusterName.$invalid || editCluster.name ==  
cluster.Clusters.cluster_name}">  
    <i class="glyphicon glyphicon-ok" ></i>  
</button>
```

改变为: ☐

## 将66行

```
<ul class="nav nav-pills nav-stacked" ng-
show="cluster.Clusters.provisioning_state == 'INSTALLED' ">
  <li ng-class="{active: isActive('clusters.manageAccess')} ||
isActive('clusters.userAccessList')}">
    <a href="#/clusters/{{cluster.Clusters.cluster_name}}/manageAccess"
class="permissions">{{'common.roles' | translate}}</a>
  </li>
  <li><a href="{{fromSiteRoot('/#/dashboard')}}" class="gotodashboard">
{{'common.goToDashboard' | translate}}</a></li>
</ul>
```

修改为

- [{{'common.roles' | translate}}](#)
- [{{'common.goToDashboard' | translate}}](#)

## 将72行

```
<span class ="cluster-installation-progress-label" ng-show
="cluster.Clusters.provisioning_state == 'INIT'">
{{'common.clusterCreationInProgress' | translate}}</span>
```

修改为

```
<span class="cluster-installation-progress-label" ng-
show="singleCluster.Clusters.provisioning_state == 'INIT'">
{{'common.clusterCreationInProgress' | translate}}</span>
```

## main.html:

将41行

```
<div ng-hide="cluster" class="col-sm-11 thumbnail">
```

修改为

```
<div ng-hide="cluster11" class="col-sm-11 thumbnail">
```

将45行

```
<div class ="buttons">  {{'main.createCluster.launchInstallWizard' |
translate}}</div>
```



修改为

```
<div class="buttons"> <a href="{{fromSiteRoot('/#/installer/step0')}}"
target="_blank" class="btn btn-primary create-cluster-button">
{{ 'main.createCluster.launchInstallWizard' | translate }}</a></div>
```

(3)/ambari-admin/src/main/resources/ui/admin-web/app/styles/main.css 将241行 height: 620px; 修改为 height: auto;

将1763行 .pull-up { margin-top: -2px; } 删除

## 2./usr/lib/ambari-server/web/javascripts目录下的app.js

将1492行

```
reloadSuccessCallback: function (data) {
  this._super();
  if (data.items && data.items.length > 0) {
    App.setProperties({
      clusterName: data.items[0].Clusters.cluster_name,
      currentStackVersion: data.items[0].Clusters.version,
      isKerberosEnabled: data.items[0].Clusters.security_type === 'KERBEROS'
    });
    this.set( 'isClusterNameLoaded', true );
  }
},
```

X:\apache-ambari-2.5.1-src\ambari-web\app\controllers\global\cluster\_controller.js 133 修改为  
reloadSuccessCallback: function (data) { this.\_super(); var url = window.location.href; var endPos = url.lastIndexOf("/"); var startPos = url.lastIndexOf("/", endPos - 1); var selectedClusterName = url.substring(startPos + 1, endPos); if (data.items && data.items.length > 0) { if (selectedClusterName == 'null') { window.location.href = window.location.href.replace('null', data.items[0].Clusters.cluster\_name); App.setProperties({ clusterName: data.items[0].Clusters.cluster\_name, isKerberosEnabled: data.items[0].Clusters.security\_type === 'KERBEROS'}); this.set('isClusterNameLoaded', true); } else if (selectedClusterName == 'undefined') { window.location.href = window.location.href.replace('undefined', data.items[0].Clusters.cluster\_name); App.setProperties({ clusterName: data.items[0].Clusters.cluster\_name, currentStackVersion: data.items[0].Clusters.version, isKerberosEnabled: data.items[0].Clusters.security\_type === 'KERBEROS' }); this.set('isClusterNameLoaded', true); } else { var isChangeClusterOper = false; var index = 0; for (var i = 0; i < data.items.length; i++){ var currentClusterName = data.items[i].Clusters.cluster\_name; if (currentClusterName == selectedClusterName) { isChangeClusterOper = true; index = i; break; } } if (isChangeClusterOper) { App.setProperties({ clusterName: data.items[index].Clusters.cluster\_name, currentStackVersion:

```
data.items[index].Clusters.version, isKerberosEnabled: data.items[index].Clusters.security_type  
=== 'KERBEROS' }); this.set('isClusterNameLoaded', true); } else { App.setProperties({  
clusterName: data.items[0].Clusters.cluster_name, currentStackVersion:  
data.items[0].Clusters.version, isKerberosEnabled: data.items[0].Clusters.security_type ===  
'KERBEROS' }); this.set('isClusterNameLoaded', true); } } } },
```

将2370行 preLoadHosts: function (callback) { var preLoadKeys = this.get('hostsPreLoadKeys');

```
    if (this.get('queryParams.Hosts').length > 0 &&  
this.get('queryParams.Hosts').filter(function (param) {  
    return (preLoadKeys.contains(param.key));  
}, this).length > 0) {  
    this.getHostByHostComponents(callback);  
    return true;  
}  
return false;
```

}

/ambari-web/app/controllers/global/update\_controller.js 365行 修改为

```
preLoadHosts: function (callback) {  
var preLoadKeys = this.get('hostsPreLoadKeys');  
if (this.get('queryParams.Hosts').length > 0 &&  
this.get('queryParams.Hosts').filter(function (param) {  
    return param.isComponentRelatedFilter;  
}, this).length > 0) {  
    this.getHostByHostComponents(callback);  
    // return true;  
}  
return false;  
},
```

将40460 // delete any existing clusters to start from a clean slate // before creating a new  
cluster in install wizard // TODO: modify for multi-cluster support

```
this.getExistingClusterNames().complete(function () { var clusterNames =  
self.get('clusterNames'); if (self.get('content.controllerName') == 'installerController' &&  
(!App.get('testMode')) && clusterNames.length) { self.deleteClusters(clusterNames); } else {  
self.startDeploy(); } })
```

/ambari-web/app/controllers/wizard/step8\_controller.js 690行 修改为

```
this.getExistingClusterNames().complete( function () { // var clusterNames =  
self.get('clusterNames');
```

```
//      if (self.get('content.controllerName') == 'installerController' &&
(!App.get('testMode')) && clusterNames.length) {

//          self.deleteClusters(clusterNames);

//      } else {

//          self.getExistingVersions();

//      }
      self.getExistingVersions();
    });
  });
```

将78933行 logoffRedirect: function(context) { if (App.router.get('clusterController.isLoaded')) {  
window.location.reload(); } else { this.transitionTo('login', context); } }

/ambari-web/app/router.js 734 修改为

```
logoffRedirect: function(context) {
/**
if (App.router.get('clusterController.isLoaded')) {
  window.location.reload();
} else {
  this.transitionTo('login', context);
}
*/
this.transitionTo('login', context);
}
```

将82369行 dashboard: Em.Route.extend({ route: '/dashboard', ..... }

/ambari-web/app/routes/main.js 110 /root/ambari/ambari-web/app/routes/main.js 编译后

修改为 dashboard: Em.Route.extend({ route: '/dashboard/:id', ..... }

将195667行

```
/**

- Set visibility-status for widgets
*/
  setOnLoadVisibleWidgets: function () {

var self = this;
if (App.get('testMode')) {
  this.translateToReal(this.get('initPrefObject'));
} else {
  // called when first load/refresh/jump back page
  this.getUserPref(this.get('persistKey')).complete(function () {
```

```

        self.setOnLoadVisibleWidgetsComplete.apply(self);
    });
}
}

```

/ambari-web/app/views/main/dashboard/widgets.js 322行 修改为

```

setOnLoadVisibleWidgets: function () {
var self = this;
if (App.get('testMode')) {
    this.translateToReal(this.get('initPrefObject'));
} else {
    // called when first load/refresh/jump back page
    this.getUserPref(this.get('persistKey')).complete(function () {
        if (self.get('state') === 'inDOM') {
            self.setOnLoadVisibleWidgetsComplete.apply(self);
        }
    });
}
window.location.href = window.location.href.replace('undefined',
App.get('clusterName'));
},

```

将202569行 goToSection: function (event) { if (event.context === 'hosts') {  
App.router.set('mainHostController.showFilterConditionsFirstLoad', false); } else if  
(event.context === 'views') { App.router.route('views'); return; } else if (event.context === 'alerts')  
{ App.router.set('mainAlertDefinitionsController.showFilterConditionsFirstLoad', false); }  
App.router.route('main/' + event.context); }

/ambari-web/app/views/main/menu.js 88行 修改为 goToSection: function (event) { if  
(event.context === 'hosts') { App.router.set('mainHostController.showFilterConditionsFirstLoad',  
false); } else if (event.context === 'views') { App.router.route('views'); return; } else if  
(event.context === 'alerts') {  
App.router.set('mainAlertDefinitionsController.showFilterConditionsFirstLoad', false); }

```

    if (event.context === 'dashboard') {
        App.router.route('main/' + event.context + '/' +
App.get('clusterName'));
    } else {
        App.router.route('main/' + event.context);
    }
},

```

将81770行

```
if (currentClusterStatus) {  
  if  
(self.get('installerStatuses').contains(currentClusterStatus.clusterState))  
{  
self.redirectToInstaller(router, currentClusterStatus, true);  
  }  
  else {  
    router.transitionTo('main.dashboard.index');  
  }  
}
```

/ambari-web/app/routes/installer.js 50

修改为 if (currentClusterStatus) { if  
(self.get('installerStatuses').contains("CLUSTER\_NOT\_CREATED\_1")) {  
self.redirectToInstaller(router, currentClusterStatus, true); } else {  
router.transitionTo('main.dashboard.index'); } }